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VITAL STATISTICS - 1990

ANNUAL SUMMARY REPORT

DEPARTMENT OF HEALTH
DIVISION OF HEALTH INFORMATION
CENTER FOR HEALTH STATISTICS

Washington State Department of
Health

OCTOBER 1991

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October 1991

Dear Colleague:

This issue of the Center for Health Statistics [CHS] Annual Summary heralds a new and exciting era of information exchange between you, our constituency, and the ever-expanding data system. Much work and effort have gone into the streamlining of the data and repositioning of Sections to make the Report more useful. It is the intent of the Center to make the data collected as accessible and usable as technology and resources allow. The making of good policy decisions is dependent upon accurate data that is available in a timely manner. The entire data collection, storage, and retrieval system is being revised to achieve this objective.

A number of new systems will be placed in operation over the ensuing months that will further increase the efficiency of the Center's operation, making the work of you, our users, easier. The passing of SB2056 at the close of the 1990 legislative session allowed for electronic transfer of data between the data-origination site and the main data-storage at the State. The first effort is the Certificate Delivery Tracker System that will permit transfer of Birth Certificate data directly from the hospital, saving time and money at both the state and local levels. This will free-up Center research and analysis staff to be more responsive to the needs of specialized requests and to provide Department of Health-wide support to projects such as the Assessment Protocol for Excellence in Public Health [APEX] Project and the recently acquired Behavioral Risk Factor Survey System [BRFSS].

The Center continues to be at the forefront in participating with the National Center for Health Statistics as a member of the Vital Statistics Cooperative Program [VSCP]. This year, the First Annual Data Users Conference will be held bringing together researchers, data users from local health departments, hospitals, and other public/private entities. Participation will include national, regional, state, and local data users.

With the dynamic leadership of Department of Health Secretary, Kristine Gebbie, Health Information Division Assistant Secretary, Elizabeth Ward, and the CHS Advisory Committee, Chaired by Edward Perrin, Ph.D., of the University of Washington Department of Community Medicine, the Center will continue to move forward.

Sincerely,

ROWENA WILSON-CANTY
State Registrar and Chief
Center for Health Statistics

PREFACE

Washington State Vital Statistics 1990 is published by the Center for Health Statistics, Washington State Department of Health. This annual summary report is mandated by the Department's mission, to help Washingtonians live healthier lives by enabling them to make informed health choices and insuring their access to quality prevention and illness care. Timely and wide-ranging health information, such as that presented in this report, is crucial to accomplishing this mission. *Washington State Vital Statistics* is often the first resource used to identify problems related to prenatal care, maternal and infant health, family planning, and general mortality.

Data used to prepare this report come from Certificates of Live Birth, Fetal Death, Death, Marriage, and Dissolution. The forms for these certificates are provided by the Department of Health. The following table describes how these forms are completed and filed.

Filing of Washington State Vital Statistics

Certificate	Completed By	Initially Filed With
Live Birth	Delivery Attendant/Facility	County Health Department
Fetal Death	Delivery Attendant/Facility	County Health Department
Death	Funeral Director, Physician	County Health Department
Marriage	Bride and Groom, Officiant	County Auditor
Dissolution	Attorney, Court Clerk	County Clerk

The County Health Departments, Clerks, and Auditors forward all completed certificates monthly to the Department of Health, where they are coded and the data are entered into a computer. These computer files are used to perform the analyses and prepare the tables presented in this report.

Data in *Washington State Vital Statistics 1990* are used in two ways:

1. Charts and narratives point out general areas of concern and provide a quick reference summary.
2. Detailed tables address more specific or local problems. For example, a county can compare itself to similar or neighboring areas to assess the health status of its population (maternal smoking, infant mortality, cancer deaths). This comparison provides a first look at possible problems and is a starting point for more detailed analysis of causative factors. Other data users such as researchers, reporters, business people, or health program planners can find information which helps them to answer questions, write stories, or assess needs for new services.

Users of this book are cautioned to beware of basing decisions on small numbers. When the number of events is small, the rates can fluctuate widely from year to year because one event more or less causes a large change in the rate. In this case, users should combine several years of data to provide larger numbers. Comparing groups of years will then serve to identify significant trends.

With a little care in its use, *Washington State Vital Statistics* is a very important tool. No other publication has such a wide variety of health status indicators which provide a simple overview of the health of a population.

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INTRODUCTION

Washington State Vital Statistics 1990 contains a summary presentation, in tabular form, of the vital events (birth, death, marriage, divorce) which occurred during the calendar year 1990. In the interest of easy comparison, essentially the same format of tabular presentation used in previous annual summaries is continued in this report. This report also contains a brief analysis of birth and death statistics.

Removed This Year: Induced Terminations Of Pregnancy Section

Since 1985, *Washington State Vital Statistics* has included a section on Induced Terminations of Pregnancy. This year, including induced termination data would have delayed production of the annual summary and made the report less timely. Therefore, induced termination data will be presented in a separate report, expected to be available by early 1992. Induced termination data will be recombined with vital events data in future publications.

Changed This Year: '1990 Goals' Section

Since 1986, *Washington State Vital Statistics* has included a section 'Is Washington State Meeting 1990 Goals?' for birth, death, infant and fetal death. This section projected Washington State rates to 1990 using a crude extrapolation method. These projected rates were compared to 1990 goals to identify areas of concern where the goals would not be met. The availability of 1990 data provides a unique opportunity to compare actual 1990 figures against the goals and the initial projections made in 1986. Thus we can answer the questions:

1. Did we meet the goals? We can identify areas where special efforts may be needed.
2. How good were the projections? If they cause misleading conclusions, they should be disconinued.

Changes Affecting Trend Data

RACE CODING: As of 1990, when more than one race is given on a birth or death certificate, the first race listed is selected. Thus, an entry of 'White/African American' would now be coded as 'White' while an entry of 'African American/White' would be coded as 'African American'. In previous years, the first Non-White race was selected. Using this convention, both entries would be coded to 'African American'. This change was made in accordance with National Center for Health Statistics (NCHS) specifications, to promote consistency with Census Bureau data. The change will most likely increase the number of 'White' events and include more persons of mixed race in the 'White' category.

ASIAN SUBGROUPS: In the 1989 birth and death certificate revision, a prompt for 'Asian/Pacific Islander' was added to the race item. This addition caused a loss of detail, as respondents wrote 'Asian' rather than specifying subgroups such as 'Chinese'. Consequently, the number of births and deaths coded 'Chinese', 'Japanese', and 'Filipino' decreased substantially between 1988 and 1989. For example, the number of Chinese births decreased from 238 to 99 while the number of births coded 'Other Asian' increased from 2,877 to 3,736. Thus, trend data for Asian subgroups will show a sharp decrease in rates for 1989 and subsequent years at least through 1991. Educational efforts are currently being made to improve reporting of data on Asian subgroups.

POPULATION: 1990 population-based rates will be somewhat inconsistent with previous rates because Census data were used as the base, rather than projections made by the Washington State Office of Financial Management. For the state as a whole, Census figures are about three percent higher than projected, which means that rates will be about three percent lower than those based on projections.

Additional Services

This annual summary report provides a good overview of the types of data available through the Washington State Center for Health Statistics. Additional tabulations can be obtained by calling the Research and Analysis Section (R&A) at (206) 586-6008. R&A also works with data users to formulate requests so they get the data they need, provides technical consultation about how to use or interpret data, performs special analyses to address a specific problem or need, and helps users access raw data files.

OVERVIEW

OVERVIEW

OVERVIEW

OVERVIEW

This section presents information which can be used to put the data which follow into perspective.

The map of Washington State can be used to locate neighboring counties for comparison with a particular county's health status indicators (such as low birth weight or cancer mortality). It also serves to help identify counties on subsequent maps, which do not have the counties labelled.

The chart (Table 1) provides a historical perspective, showing how the state has changed since 1920 and gives a frame of reference for 1990 data, to see how 1990 compares to previous years. For example, we can see that the birth rate has increased in the last three years, as the 'Post-War Baby Boom' generation are having their own children. Looking at long-term trends can reveal particularly dramatic changes, such as the more than three-fold increase in the state's population and the sharp decline in infant and maternal deaths. For those who find a visual display easier to understand, graphs of these trends are presented in the appropriate section (e.g., 1915-1990 Birth Rates with the Natality Section).

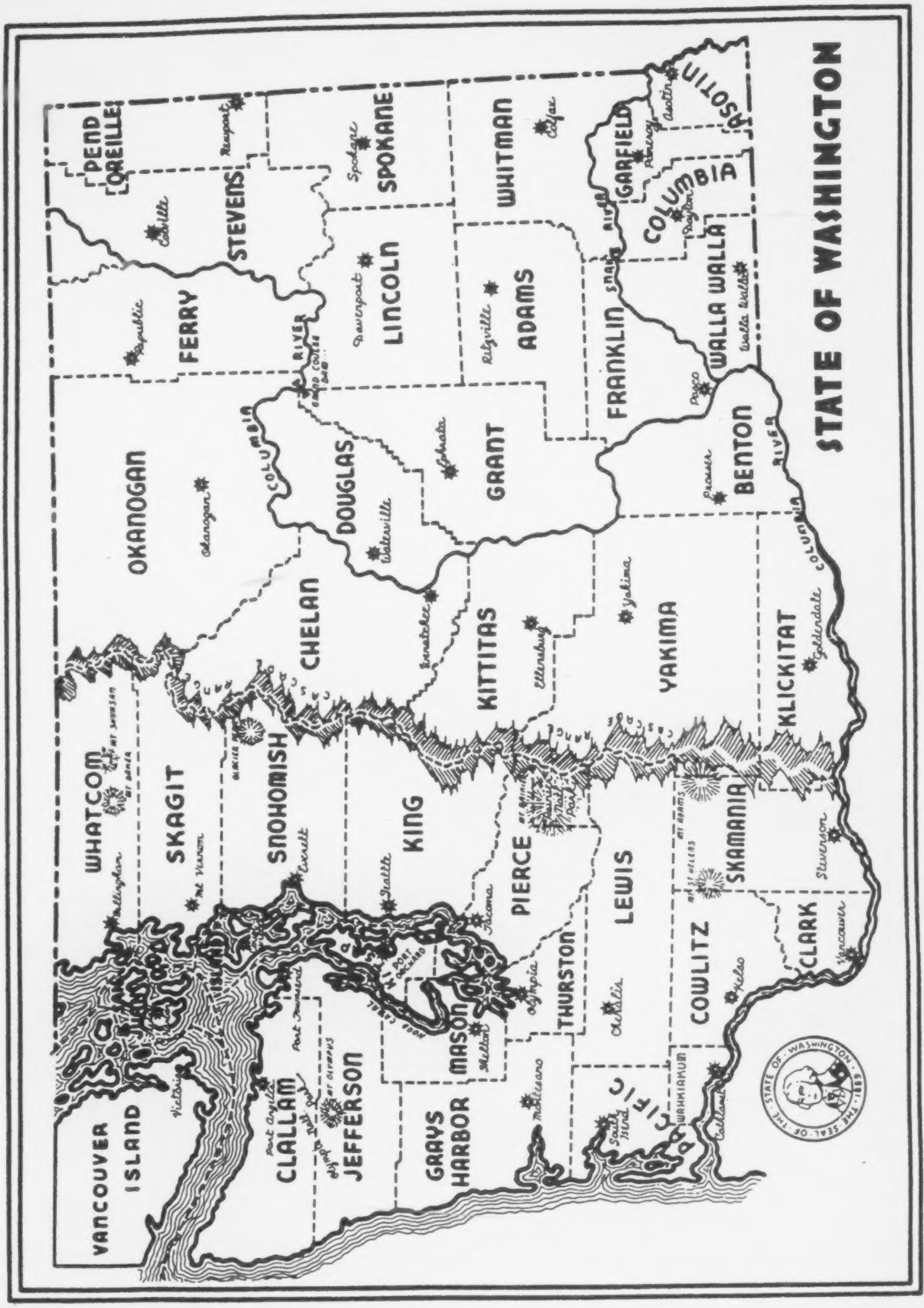

STATE OF WASHINGTON
VANCOUVER ISLAND
Victoria
CLALLAM
Port Angeles
JEFFERSON
Port Townsend
Mt Olympus
Olympic Natl Park
GRAYS HARBOR
Montesano
MASON
Shelton
Hood Canal
Kitsap
Port Orchard
PACIFIC
South Bend
WAHKIAKUM
Cathlamet
THURSTON
Olympia
LEWIS
Chehalis
COWLITZ
Kelso
CLARK
Vancouver
SKAMANIA
Stevenson
Mt St Helens
Mt Adams
PIERCE
Tacoma
Mt Rainier
Natl Park
KING
Seattle
SNOHOMISH
Everett
Glacier Peak
SKAGIT
Mt Vernon
WHATCOM
Bellingham
Mt Baker
Mt Shuksan
San Juan
Island
KITTITAS
Ellensburg
Cascade Range
YAKIMA
Yakima
KLICKITAT
Goldendale
CHELAN
Wenatchee
OKANOGAN
Okanogan
DOUGLAS
Waterville
GRANT
Ephrata
Grand Coulee Dam
BENTON
Prosser
FRANKLIN
Pasco
WALLA WALLA
Walla Walla
COLUMBIA
Dayton
GARFIELD
Pomeroy
ASOTIN
Asotin
WHITMAN
Colfax
ADAMS
Ritzville
LINCOLN
Davenport
SPOKANE
Spokane
STEVENS
Colville
FERRY
Republic
PEND OREILLE
Newport
Columbia River
Snake River
The Seal of the State of Washington 1889

Table 1. Summary of the Number of Live Births, Deaths, Infant Deaths, Maternal Deaths, and Fetal Deaths, with Rates
Washington State 1920-1990

Year	Population[1]	Live Births		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
		Number	Rate[2]	Number	Rate[2]	Number	Rate[3]	Number[4]	Rate[5]	Number	Ratio[3]
1920	1,367,000	27,072	19.8	15,164	11.1	1,797	66.4	249	92.0	888	32.8
1921	1,385,700	27,267	19.7	13,254	9.6	1,512	55.5	192	70.4	852	31.2
1922	1,407,100	25,378	18.0	14,249	10.1	1,566	61.7	190	74.9	731	28.8
1923	1,427,300	25,259	17.7	13,856	9.7	1,428	56.5	159	62.9	680	26.9
1924	1,447,200	25,378	17.5	14,580	10.1	1,426	56.2	167	65.8	711	28.0
1925	1,467,600	24,741	16.9	15,280	10.4	1,395	56.4	140	56.6	667	27.0
1926	1,487,600	23,989	16.1	15,670	10.5	1,352	56.4	174	72.5	719	30.0
1927	1,507,800	23,315	15.5	15,950	10.6	1,162	49.8	151	64.8	650	27.9
1928	1,528,200	23,161	15.2	16,723	10.9	1,115	48.1	175	75.6	641	27.7
1929	1,548,400	22,685	14.7	16,413	10.6	1,110	48.9	150	66.1	572	25.2
1930	1,568,000	23,019	14.7	16,678	10.6	1,122	48.7	148	64.3	601	26.1
1931	1,585,000	22,028	13.9	16,524	10.4	1,064	48.3	141	64.0	591	26.8
1932	1,602,500	21,379	13.3	16,581	10.3	967	45.2	139	65.0	530	24.8
1933	1,619,700	20,882	12.9	16,705	10.3	811	38.8	140	67.0	446	21.4
1934	1,636,900	22,484	13.7	17,456	10.7	968	43.1	105	46.7	520	23.1
1935	1,654,000	22,378	13.5	18,046	10.9	998	44.6	120	53.6	469	21.0
1936	1,671,400	23,354	14.0	19,057	11.4	1,064	45.6	115	49.2	468	20.0
1937	1,689,100	24,882	14.7	18,771	11.1	978	39.3	118	47.4	495	19.9
1938	1,706,000	26,702	15.7	18,514	10.9	1,035	38.8	94	35.2	440	16.5
1939	1,723,400	26,471	15.4	18,528	10.8	977	36.9	97	36.6	450	17.0
1940	1,752,400	27,952	16.0	19,837	11.3	969	34.7	89	31.8	459	16.4
1941	1,816,700	30,916	17.0	19,359	10.7	1,065	34.4	66	21.3	445	14.4
1942	1,880,700	38,744	20.6	20,190	10.7	1,278	33.0	78	20.1	606	15.6
1943	1,945,000	44,258	22.8	22,017	11.3	1,534	34.7	72	16.3	575	13.0
1944	2,009,600	44,246	22.0	21,144	10.5	1,493	33.7	72	16.3	607	13.7
1945	2,073,600	44,296	21.4	21,292	10.3	1,523	34.4	79	17.8	672	15.2
1946	2,137,600	51,941	24.3	21,620	10.1	1,723	33.2	65	12.5	869	16.7
1947	2,202,400	58,230	26.4	21,763	9.9	1,630	28.0	59	10.1	907	15.6
1948	2,266,400	55,460	24.5	21,925	9.7	1,525	27.5	36	6.5	776	14.0
1949	2,331,000	56,433	24.2	22,420	9.6	1,526	27.0	36	6.4	850	15.1
1950	2,378,963	55,755	23.4	22,450	9.4	1,526	27.4	28	5.0	799	14.3
1951	2,444,000	57,994	23.7	23,300	9.5	1,412	24.3	23	4.0	852	14.7
1952	2,496,100	61,436	24.6	22,874	9.2	1,522	24.8	15	2.4	857	13.9
1953	2,528,200	61,571	24.4	23,279	9.2	1,556	25.3	18	2.9	834	13.5
1954	2,566,000	62,703	24.4	23,238	9.1	1,514	24.1	29	4.6	829	13.2
1955	2,586,100	62,290	24.1	24,410	9.4	1,520	24.4	16	2.6	806	12.9

Year	Population[1]	Live Births		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
		Number	Rate[2]	Number	Rate[2]	Number	Rate[3]	Number[4]	Rate[5]	Number	Ratio[3]
1956	2,651,900	64,999	24.5	24,207	9.1	1,524	23.4	13	2.0	777	12.0
1957	2,712,700	65,982	24.3	25,140	9.3	1,596	24.2	20	3.0	793	12.0
1958	2,767,900	65,574	23.7	25,429	9.2	1,707	26.0	11	1.7	764	11.7
1959	2,819,000	65,729	23.3	26,229	9.3	1,570	23.9	9	1.4	749	11.4
1960	2,853,214	65,251	22.9	26,505	9.3	1,528	23.4	17	2.6	738	11.3
1961	2,897,000	65,013	22.4	26,353	9.1	1,467	22.6	19	2.9	756	11.6
1962	2,948,000	64,812	22.0	27,343	9.3	1,476	22.8	6	0.9	704	10.9
1963	2,972,000	61,013	20.5	27,550	9.3	1,339	21.9	10	1.6	657	10.8
1964	3,008,000	57,148	19.0	28,106	9.3	1,277	22.3	7	1.2	637	11.1
1965	3,065,000	52,806	17.2	27,379	8.9	1,130	21.4	15	2.8	639	12.1
1966	3,125,000	51,777	16.6	29,035	9.3	1,084	20.9	13	2.5	554	10.7
1967	3,229,000	54,875	17.1	29,302	9.1	1,050	19.1	12	2.2	573	10.4
1968	3,329,000	57,206	17.2	30,360	9.1	1,120	19.6	8	1.4	620	10.8
1969	3,365,000	59,354	17.6	30,504	9.1	1,118	18.8	12	2.0	651	11.0
1970	3,409,169	60,499	17.7	29,901	8.8	1,135	18.8	9	1.5	640	10.6
1971	3,433,000	55,304	16.1	30,318	8.8	1,008	18.2	5	0.9	574	10.4
1972	3,418,800	48,250	14.1	29,747	8.7	805	17.0	6	1.2	428	8.8
1973	3,424,300	47,636	13.9	30,751	9.0	781	16.4	3	0.6	430	9.0
1974	3,448,100	50,096	14.5	29,773	8.6	763	15.2	4	0.8	450	9.0
1975	3,494,124	50,821	14.5	29,778	8.5	798	15.7	5	1.0	421	8.3
1976	3,571,600	53,004	14.8	30,275	8.5	765	14.4	3	0.6	439	8.3
1977	3,661,975	57,256	15.6	29,789	8.1	696	12.2	5	0.9	426	7.4
1978	3,774,294	58,725	15.6	30,469	8.1	737	12.6	4	0.7	465	7.9
1979	3,911,200	64,377	16.5	30,418	7.8	737	11.4	8	1.2	466	7.2
1980	4,130,163	67,857	16.4	32,012	7.8	798	11.8	10	1.5	533	7.9
1981	4,250,123	69,756	16.4	32,022	7.5	731	10.5	7	1.0	489	7.0
1982	4,264,000	69,529	16.3	32,309	7.6	744	10.7	8	1.2	501	7.2
1983	4,285,100	68,705	16.0	32,631	7.6	653	9.5	6	0.9	474	6.9
1984	4,328,100	68,947	15.9	33,788	7.8	704	10.2	7	1.0	444	6.4
1985	4,384,100	70,226	16.0	34,475	7.9	747	10.6	5	0.7	403	5.7
1986	4,419,700	69,431	15.7	34,166	7.7	675	9.7	2	0.3	445	6.4
1987	4,481,100	70,329	15.7	34,967	7.8	681	9.7	3	0.4	411	5.8
1988	4,565,000	72,471	15.9	36,299	8.0	652	9.0	3	0.4	381	5.3
1989	4,660,700	75,321	16.2	36,049	7.7	686	9.1	2	0.3	387	5.1
1990	4,866,692	79,187	16.3	36,899	7.6	620	7.8	3	0.4	462	5.8

[1] 1961-1989 population figures are revised estimates provided by the Office of Financial Management.

[2] Per 1,000 population.

[3] Per 1,000 Live Births.

[4] 1979-1988 maternal death figures are revised totals based on studies conducted by the Research and Analysis Section.

[5] Per 10,000 Live Births.

NATALITY

NATALITY

NATALITY

Natality At A Glance

Washington State 1990

Item	Data	Trend[1]	Comparable US Data[2]
Number of Births	79,187	+	
Birth Rate (per 1,000 population)	16.3	+	16.7
Fertility Rate (per 1,000 women aged 15-44	68.8	+	71.1
Low Birth Weight Births (2,500 grams or less)	5.3%	N	6.9%
Births to Unwed Mothers	23.6%	+	25.7%
Plural Births	2.4%	N	2.2%
First Child	41.4%	+	41.0%
Deliveries by Unlicensed Attendant	0.4%	N	0.6%
Births at Home	1.7%	N	0.9%

[1] - = decreasing, + = increasing, N = no change.

[2] Birth and fertility rates are for 1990; other US Data are for 1988.

BIRTH RATES (per 1,000 population)
WASHINGTON STATE, 1915-1990

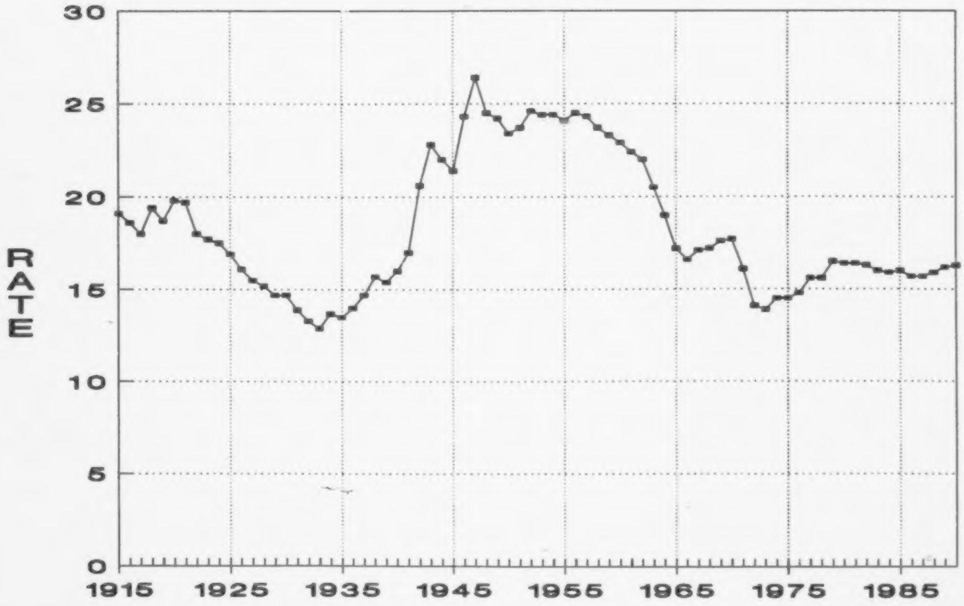


Figure 1

Did Washington State Meet 1990 Goals?*

	Projected 1990	Actual 1990[1]	1990 Goal
Family Planning			
Teen Birth Rate (per 1,000 girls in each age group)			
15 year olds	10	11.1	10
16 year olds	22	27.1	25
17 year olds	42	46.8	45
Infant and Maternal Health			
Percent Low Birth Weight (2,500 grams or less)			
All Births	5	5.3	5
Racial Groups			
White	5.2	4.9	9
African American	11.1	11.8	9
Native American	6.4	6.7	9
Other	6.0	6.1	9
Maternal Mortality Rate (per 100,000 births)			
All Births	6	4.0	5
Racial Groups			
White	6	4.6	5
African American	13	<9.5	5
Improved Services			
Percent Beginning Prenatal Care after 1st Trimester			
All Births	23	22.4	10
Racial Groups			
White	21	21.2	10
African American	34	35.2	10
Native American	37	38.7	10

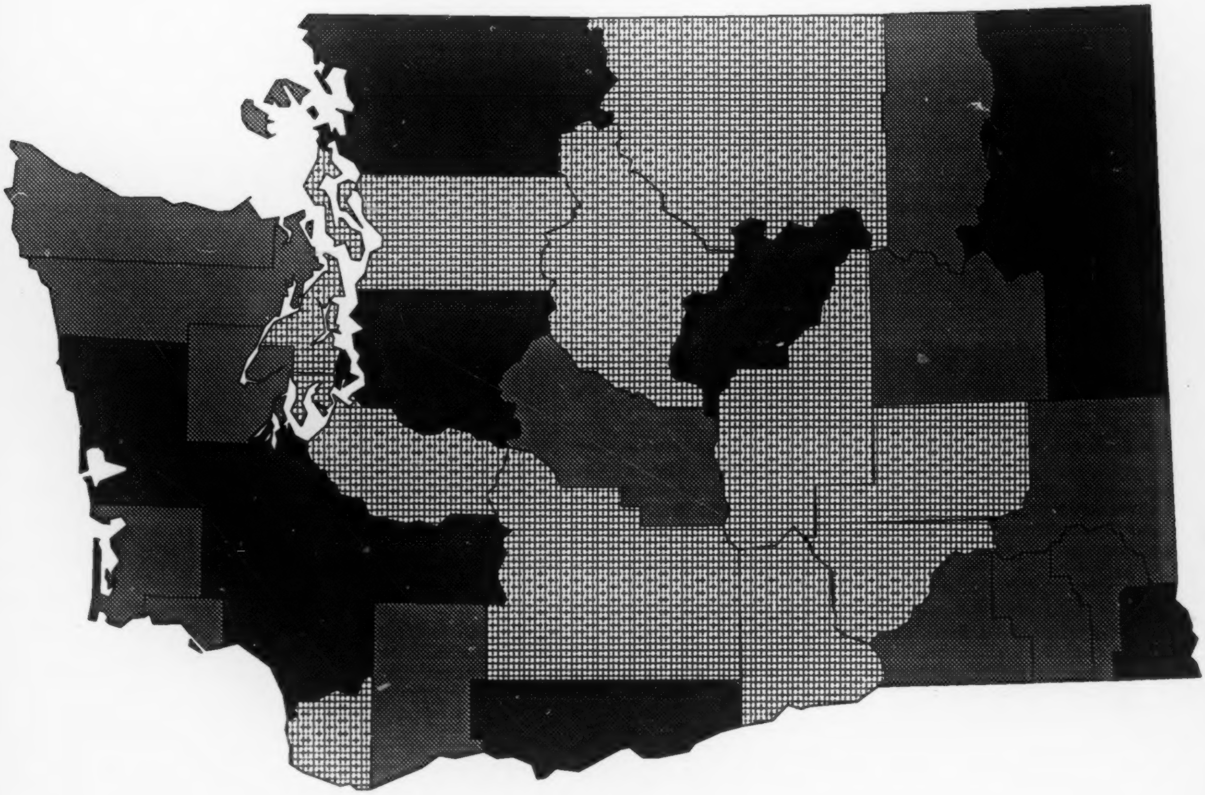
[1] Birth weight and prenatal care data are for 1990; other data are for 1988-90.

Areas of Concern

- Projections did not anticipate recent increases in teen birth rates. Goals for this group were not met.
- Projections correctly estimated that the following goals would not be met: Low Birth Weight (for African Americans) and Late Prenatal Care (for all racial groups).
- Projections overestimated maternal mortality rates, which fluctuate widely due to small numbers. Goals for this group were not met.

*Methods and sources of data are described in the Technical Notes, Appendix A.

Births



Washington State, 1988-90

Live Births/1,000 population

▩ 0 - 13
■ 14 - 16
▦ 17 or More

Table 2. Births in Washington State by Selected Topics, 1990

A. Residents, Sex by Mother's Race

	Total	Male	Female	Unknown
Total	79,187	40,540	38,647	
White	69,246	35,360	33,886	
African American	2,843	1,479	1,364	
Indian	1,687	864	823	
Japanese	96	49	47	
Chinese	78	35	43	
Filipino	302	150	152	
Other Asian	3,342	1,741	1,601	
Other	3	2	1	
Unknown	1,590	860	730	
Hispanic[1]	5,693	2,875	2,818	

B. Residents, Sex by Child's Race

	Total	Male	Female	Unknown
Total	79,187	40,540	38,647	
White	69,323	35,402	33,921	
African American	2,856	1,489	1,367	
Indian	1,697	872	825	
Japanese	99	51	48	
Chinese	79	35	44	
Filipino	307	156	151	
Other Asian	3,406	1,773	1,633	
Other	3	2	1	
Unknown	1,417	760	657	
Hispanic[1]	7,674	3,849	3,825	

C. Residents, Sex by Mother's Age Group

	Total	Male	Female	Unknown
Total	79,187	40,540	38,647	
Under 15	138	67	71	
15 - 17	2,673	1,333	1,340	
18 - 19	5,713	2,925	2,788	
20 - 24	20,384	10,467	9,917	
25 - 29	24,734	12,638	12,096	
30 - 34	17,742	9,086	8,656	
35 - 39	6,715	3,482	3,233	
40 - 44	1,008	508	500	
45 and over	34	14	20	
Unknown	46	20	26	

D. Residents, Order of Birth to Mother

Total	79,187	100.0%[2]
1st Child	32,793	41.4
2nd Child	25,651	32.4
3rd Child	12,787	16.1
4th Child	4,922	6.2
5th Child	1,722	2.2
6th Child	740	.9
7th Child	270	.3
8th Child	139	.2
9th Child	77	.1
10th or more	79	.1
Unknown	7	

E. Residents, Maternal Smoking

	Number	Percent
Total	79,187	100.0%[2]
Yes	13,750	17.4
No	54,466	68.8
Unknown	10,971	13.9

F. Residents, Multiple Live Births

Total	962
Sets of Twins	938
Sets of Triplets	22
Sets of Quadruplets	2

---

[1] Hispanic numbers are not included in the total sum.
[2] Detail may not add to 100% due to rounding.

Table 2 (continued). Births in Washington State by Selected Topics, 1990

G. Residence and Occurrence, Sex by Birth Weight in Grams

Gram Weight	Residence Total	Residence Male	Residence Female	Residence Unknown	Occurrence Total	Occurrence Male	Occurrence Female	Occurrence Unknown
Total	79,187	40,540	38,647		77,776	39,841	37,935	
1,000 and under	297	147	150		284	140	144	
1,001 - 1,500	356	172	184		359	181	178	
1,501 - 2,000	789	376	413		769	375	394	
2,001 - 2,500	2,736	1,273	1,463		2,702	1,254	1,448	
2,501 - 3,000	10,403	4,587	5,816		10,249	4,522	5,727	
3,001 - 3,500	27,682	13,013	14,669		27,148	12,774	14,373	
3,501 - 4,000	25,847	14,097	11,750		25,381	13,850	11,531	
4,001 - 4,500	9,034	5,502	3,532		8,872	5,389	3,483	
4,501 and over	1,919	1,307	612		1,892	1,292	600	
Unknown	124	66	58		120	64	56	

H. Residence and Occurrence, Live Births and Fetal Deaths by Month

	Live Births		Fetal Deaths	
	Residence	Occurrence	Residence	Occurrence
Total	79,187	77,776	462	473
January	6,193	6,101	34	34
February	5,891	5,787	26	28
March	6,803	6,663	42	41
April	6,449	6,313	46	47
May	7,239	7,112	50	50
June	6,893	6,766	34	36
July	6,978	6,857	52	53
August	7,113	6,968	37	39
September	6,605	6,477	29	30
October	6,552	6,451	37	39
November	6,251	6,156	35	36
December	6,220	6,125	40	40

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[1] Detail may not add to 100% due to rounding.

Table 2 (continued). Births in Washington State by Selected Topics, 1990

I. Occurrence, Obstetric Procedures by Primary Method of Birth Delivery

Method of Delivery	Total	None	Amnio-centesis	Electronic Fetal Monitoring	Induction of Labor	Stimulation of Labor	Tocolysis	Ultrasound	Other	Unknown
Total	77,776	7,449	3,459	51,840	9,883	9,777	1,595	42,228	2,148	8,877
Unknown	7,816	68	15	255	43	41	11	207	18	7,400
Vaginal Delivery	49,322	5,513	1,882	37,027	6,825	6,753	960	28,249	1,388	908
Vaginal Delivery after Prev. C-Section	2,089	164	114	1,699	330	359	40	1,414	75	25
Primary C-Section	8,638	565	669	6,345	1,579	1,485	332	5,900	427	266
Repeat C-Section without Trial Labor	3,965	464	491	2,039	31	25	112	2,873	85	179
Repeat C-Section with Trial Labor	1,214	101	91	893	212	178	30	817	56	34
Outlet Forceps	2,034	151	82	1,643	363	509	59	1,226	24	28
Vacuum Extraction	2,643	413	110	1,907	497	421	47	1,507	72	34
Other	55	10	5	32	3	6	4	35	3	3

J. Occurrence, Type of Place[1]

	Number	Percent
Total	77,776	100.0%
General Hospital	71,904	92.5
Federal Facility	4,140	5.3
Home	1,279	1.6
Birth Center	162	.2
Born on Arrival	60	.1
Other and Unknown	231	.3

K. Residents, Attendant at Birth[1]

	Number	Percent
Total	79,187	100.0%
MD	72,446	91.5
Osteopath	1,820	2.3
Licensed Midwife	996	1.3
Certified Midwife	3,028	3.8
Other Midwife	31	
Nurse	205	.3
Father/Mother	41	.1
Other	255	.3

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[1] Detail may not add to 100% due to rounding.

Table 3. Live Births by Mother's Race by Birth Weight, Washington State Residents 1990

Birth Weight in Grams	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic[1]
State Totals	79,187	69,246	2,843	1,687	96	78	302	3,342	3	1,590	5,693[2]
1,000 and under	297	234	36	12			1	7		7	25
1,001 - 1,500	356	285	41	13				10		7	28
1,501 - 2,000	789	642	71	26			1	31		18	54
2,001 - 2,500	2,736	2,255	185	62	3	5	16	159	1	50	193
2,501 - 3,000	10,403	8,574	613	231	22	18	61	672	1	211	845
3,001 - 3,500	27,682	23,928	1,062	554	32	25	115	1,419		547	2,244
3,501 - 4,000	25,847	23,201	646	539	32	27	86	800	1	515	1,711
4,001 - 4,500	9,034	8,272	152	196	6	3	18	199		188	479
4,501 and over	1,919	1,768	23	49	1		4	41		33	99
Not Stated	124	87	14	5				4		14	15

S00310B-HBI

Table 4. Live Births by Child's Race by Birth Weight, Washington State Residents 1990

Birth Weight in Grams	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic[1]
State Totals	79,187	69,323	2,856	1,697	99	79	307	3,406	3	1,417	7,674[3]
1,000 and under	297	234	37	12			1	7		6	39
1,001 - 1,500	356	285	41	13				10		7	35
1,501 - 2,000	789	643	71	26			1	31		17	74
2,001 - 2,500	2,736	2,259	186	62	3	5	16	161	1	43	270
2,501 - 3,000	10,403	8,583	615	232	22	18	61	681	1	190	1,138
3,001 - 3,500	27,682	23,956	1,065	558	33	26	119	1,449		476	3,000
3,501 - 4,000	25,847	23,226	650	544	34	27	87	812	1	466	2,303
4,001 - 4,500	9,034	8,281	155	196	6	3	18	209		166	665
4,501 and over	1,919	1,769	23	49	1		4	42		31	133
Not Stated	124	87	13	5				4		15	17

S00310D-HBI

Table 5. Live Births by Mother's Age by Birth Weight, Washington State Residents 1990

Birth Weight in Grams	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Totals	79,187	138	2,673	5,713	20,384	24,734	17,742	6,715	1,008	34	46
1,000 and under	297	2	25	32	76	79	54	25	4		
1,001 - 1,500	356	1	14	31	106	86	82	32	4		
1,501 - 2,000	789	3	34	84	193	225	169	64	15	1	1
2,001 - 2,500	2,736	6	109	245	762	751	569	246	46		2
2,501 - 3,000	10,403	28	464	907	2,849	3,118	2,084	818	124	6	5
3,001 - 3,500	27,682	65	1,026	2,187	7,454	8,556	5,974	2,103	292	12	13
3,501 - 4,000	25,847	24	768	1,656	6,412	8,327	6,018	2,284	334	8	16
4,001 - 4,500	9,034	6	194	470	2,107	2,962	2,238	895	150	6	6
4,501 and over	1,919	3	32	88	400	596	521	239	39	1	
Not Stated	124		7	13	25	34	33	9			3

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[1] Hispanic numbers are not included in total sum.

[2] Total number of Hispanic origin not stated is 1,754.

[3] Total number of Hispanic origin not stated is 6,085.

Table 6. Live Births by Mother's Age by Month Prenatal Care Began, Washington State Residents 1990

Month Prenatal Care Began	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Unknown
State Totals	79,187	138	2,673	5,713	20,384	24,734	17,742	6,715	1,008	34	46
First	12,417	7	153	449	2,460	4,304	3,455	1,417	161	4	7
Second	29,497	19	582	1,466	6,872	10,126	7,393	2,634	378	13	14
Third	16,725	27	568	1,274	4,541	5,064	3,619	1,386	234	5	7
Fourth	7,339	14	440	860	2,254	1,914	1,284	484	78	7	4
Fifth	3,952	18	289	567	1,352	949	517	210	50		
Sixth	2,274	11	214	335	802	540	250	90	31		1
Seventh	1,561	12	138	216	555	373	181	75	9	2	
Eighth	987	8	79	137	331	230	137	52	10		3
Ninth	316		25	43	113	74	44	14	2		1
No Care	468	11	43	65	157	110	53	23	5		1
Unknown	3,651	11	142	301	947	1,050	809	330	50	3	8

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Table 7. Live Births by Month Prenatal Care Began by Number of Prenatal Visits, Washington State Residents 1990

Number of Prenatal Visits	Total	Month Care Began 1-3	4-6	7-9	No Care	Unknown
State Totals	79,187	58,639	13,565	2,864	468	3,651
9 or More	60,344	51,870	7,815	274		385
5 - 8	10,852	4,821	4,642	1,281		108
1 - 4	2,600	449	847	1,237		67
No Visits	791	14	1	16	452	308
Unknown	4,600	1,485	260	56	16	2,783

S02690A-HBI

Table 8. Live Birth Intercounty Travel Patterns

Occurrence → Residence ↓	Adams	Asotin	Benton	Chelan	Clallam	Clark	Columbia	Cowlitz	Douglas	Ferry	Franklin	Garfield	Grant	Grays Harbor	Island	Jefferson	King
Adams	191		10								2		40				
Asotin											1						
Benton	1		1,673								182		1				4
Chelan				945													28
Clallam					725											3	22
Clark					1	2,467		17									6
Columbia			3			1		9									
Cowlitz						41		1,218									1
Douglas			1	345					6				1				9
Ferry				1						14							
Franklin	45		395								457		1				2
Garfield																	
Grant	103		17	90							3		704				8
Grays Harbor					1			1						699			23
Island			1		1										788		55
Jefferson					24									6		148	14
King	1		1	1	1	3		4			1		3		1	1	22,002
Kitsap					1	1								1		1	264
Kittitas	1			1		1											13
Klickitat			1			1											
Lewis						3		40									11
Lincoln			1										3				
Mason					1			1						2			18
Okanogan				9									5				4
Pacific			1			1		3						39			
Pend Oreille																	2
Pierce			1	3		2											1,083
San Juan																	7
Skagit	1							1			1			1	8		43
Skamania						27					1						
Snohomish								1	0	0	2		1		5		2,794
Spokane			2														2
Stevens	1																
Thurston								4						7			39
Wahkiakum								22									
Walla Walla			23								7						
Whatcom								1							5		47
Whitman			1					1			1						2
Yakima	1		261	1							1		1				9
Out-of-State			35	2	1	47		157			3		1	1	1	1	102

Residence and Occurrence, Washington State 1990

Kitsap	Kittitas	Klickitat	Lewis	Lincoln	Mason	Okanogan	Pacific	Pend Oreille	Pierce	San Juan	Skagit	Skamania	Snohomish	Spokane	Stevens	Thurston	Wahkiakum	Walla Walla	Whatcom	Whitman	Yakima	Out-of-State
	1													27						1	2	1
														5						4		260
									2					8				5			38	15
						19			4				1	6								2
5									1				2									
		1							4							3						1567
														3				33				3
			7				1		3							1						86
				1		66								6								3
				1		6								12	50							1
														3				1		1	2	2
														2				1				18
	4			3		6							1	42				2			11	3
1	1		31		2	1	21		18							141			1			4
1									25		120		60						1		1	5
21					1								1									1
6			1			1			623		7		238	4		11			3		4	34
2730					3				381		1		13	1		1						10
	277								1		1			1	1						27	
		154											1								5	71
1			720						30				3			77					4	6
				25										67	1							
86			2		236				41							118						2
	1					490								46	1						1	1
			8				63		3							8						103
								21						84	16							15
44			6		1		2		9345		1		7	3		35						25
1									3	6	72								13	1		1
1									2		1144		18						11			1
		31																				44
2	2								10		111		5338	2		1		1	4			11
								1	2				2	5514	2			1	1		1	29
													1	178	218							
1			97		5				405				2			1787						6
																	1					3
														5				617			1	4
1									3		40		4	1					1667			3
														57						300		39
1		3				1			6		2			1		1			1		3720	7
6		35	4		2	1	1	4	62		2		7	197	1	6		238	7	41	10	

S02500A-HBI

Table 9. Live Births with Rates[1] by Place of Residence by Sex and Place of Occurrence , Washington State 1990

County and City	Residence				Occurrence	
	Number	Rate	Male	Female	Number	Rate
State Totals	79,187	16.3	40,540	38,647	77,776	16.0
Adams	275	20.2	142	133	345	25.4
Asotin	270	15.3	153	117		
Benton	1,929	17.1	994	935	2,427	21.6
Kennewick	876	20.8	448	428	1,017	24.1
Richland	494	15.3	239	255	1,025	31.7
Chelan	1,005	19.2	519	486	1,398	26.8
Wenatchee	434	19.9	210	224	1,262	58.0
Clallam	758	13.4	414	344	756	13.4
Port Angeles	279	15.8	168	111	652	36.8
Clark	4,066	17.1	2,063	2,003	2,595	10.9
Vancouver	1,924	41.5	1,005	919	2,574	55.5
Columbia	52	12.9	32	20		
Cowlitz	1,358	16.5	706	652	1,480	18.0
Kelso	222	18.8	121	101	4	.3
Longview	596	18.9	312	284	1,472	46.7
Douglas	440	16.8	231	209	8	.3
Ferry	85	13.5	43	42	14	2.2
Franklin	909	24.3	452	457	662	17.7
Pasco	641	31.5	327	314	654	32.2
Garfield	21	9.3	15	6		
Grant	997	18.2	503	494	761	13.9
Moses Lake	216	19.2	103	113	696	61.9
Grays Harbor	945	14.7	493	452	756	11.8
Aberdeen	279	16.8	147	132	748	45.2
Island	1,058	17.6	534	524	808	13.4
Oak Harbor	519	30.2	260	259	6	.3
Jefferson	216	10.7	101	115	154	7.6
King	22,951	15.2	11,717	11,234	26,614	17.7
Auburn	636	19.2	317	319	836	25.3
Bellevue	1,048	12.1	512	536	2,565	29.5
Bothell	175	14.6	87	88	12	1.0
Des Moines	212	12.3	111	101	3	.2
Federal Way	1,163	17.2	604	559	1,489	22.0
Kent	755	19.9	379	376	25	.7
Kirkland	638	15.9	337	301	2,350	58.7
Mercer Island	214	10.3	105	109	4	.2
Redmond	505	14.1	265	240	1,562	43.6
Renton	718	17.2	371	347	3,124	74.9
Sea Tac	11	.5	5	6		
Seattle	7,163	13.9	3,631	3,532	14,091	27.3
Tukwila	74	6.2	33	41		
Kitsap	3,408	18.0	1,760	1,648	2,908	15.3
Bremerton	1,189	31.2	610	579	2,232	58.5
Kittitas	324	12.1	160	164	286	10.7
Ellensburg	149	12.1	72	77	277	22.4
Klickitat	233	14.0	120	113	224	13.5
Lewis	895	15.1	460	435	876	14.8
Centralia	248	20.5	128	120	722	59.7
Lincoln	97	10.9	47	50	30	3.4
Mason	507	13.2	242	265	250	6.5
Okanogan	558	16.7	273	285	591	17.7
Pacific	229	12.1	118	111	88	4.7
Pend Oreille	138	15.5	76	62	26	2.9
Pierce	10,558	18.0	5,502	5,056	10,974	18.7
Puyallup	481	20.1	252	229	1,500	62.8
Tacoma	3,517	19.9	1,813	1,704	6,838	38.7
San Juan	104	10.4	53	51	6	.6
Skagit	1,232	15.5	651	581	1,501	18.9
Anacortes	135	11.8	64	71	219	19.1
Mount Vernon	367	20.8	194	173	910	51.6
Skamania	103	12.4	42	61		
Snohomish	8,285	17.8	4,183	4,102	5,699	12.2
Edmonds	465	15.1	240	225	1,755	57.1
Everett	1,848	26.4	915	933	3,140	44.9
Lynnwood	788	27.5	406	382	26	.9
Marysville	364	35.2	186	178	15	1.5
Mountlake Terrace	337	17.4	177	160	13	.7
Spokane	5,557	15.4	2,806	2,751	6,275	17.4
Spokane (city)	3,560	20.1	1,798	1,762	5,807	32.8
Stevens	398	12.9	198	200	290	9.4
Thurston	2,353	14.6	1,230	1,123	2,190	13.6
Lacey	287	14.9	164	123	4	.2
Olympia	716	21.2	355	361	2,163	63.9
Wahkiakum	26	7.8	10	16	1	.3
Walla Walla	657	13.6	352	305	899	18.6
Walla Walla (city)	378	14.3	202	176	898	33.9
Whatcom	1,772	13.9	890	882	1,709	13.4
Bellingham	669	12.8	345	324	1,686	32.3
Whitman	401	10.3	190	211	348	9.0
Pullman	203	8.6	103	100	307	13.1
Yakima	4,017	21.3	2,065	1,952	3,827	20.3
Sunnyside	316	28.1	160	156	407	36.2
Yakima (city)	1,235	22.5	642	593	2,811	51.3

Table 10. Live Births by Mother's Age Group by Place of Residence, Washington State 1990

County and City	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Totals	79,187	138	2,673	5,713	20,384	24,734	17,742	6,715	1,008	34	46
Adams	275	2	20	21	85	83	41	21	2		
Asotin	270		17	26	96	76	42	12	1		
Benton	1,929	3	65	156	507	620	422	137	19		
Kennewick	876	1	34	85	270	270	164	46	6		
Richland	494		10	34	123	167	110	42	8		
Chelan	1,005	2	42	93	281	291	210	72	12	1	1
Wenatchee	434	1	27	39	124	120	90	27	5		1
Clallam	758	2	43	71	221	208	149	56	7	1	
Port Angeles	279	1	17	29	82	73	52	20	4	1	
Clark	4,066	4	127	306	1,159	1,310	826	284	45	1	4
Vancouver	1,924	3	75	192	691	574	286	83	18		2
Columbia	52		1	2	19	17	9	3	1		
Cowlitz	1,358	3	66	138	450	428	202	58	12	1	
Kelso	222	1	18	35	77	64	18	6	3		
Longview	596	1	27	60	205	201	78	19	4	1	
Douglas	440	1	30	52	114	146	76	19	2		
Ferry	85		7	11	33	20	8	5	1		
Franklin	909	5	53	104	276	259	146	53	13		
Pasco	641	3	48	89	212	170	91	25	3		
Garfield	21			1	8	6	5	1			
Grant	997		53	113	313	289	165	54	10		
Moses Lake	216		12	21	70	64	38	8	3		
Grays Harbor	945	1	65	96	286	273	162	50	11	1	
Aberdeen	279	1	14	29	90	79	46	16	3	1	
Island	1,058	1	16	77	326	359	205	61	13		
Oak Harbor	519		12	41	182	176	77	27	4		
Jefferson	216	1	9	13	45	68	44	34	2		
King	22,951	32	504	1,084	4,316	7,156	6,546	2,882	398	9	24
Auburn	636	5	28	58	188	221	114	17	5		
Bellevue	1,048		14	36	173	320	328	150	27		
Bothell	175		1	9	37	54	45	23	5		1
Des Moines	212		4	15	57	65	55	15	1		
Federal Way	1,163	1	24	72	301	393	271	89	11		1
Kent	755		23	60	230	260	136	45			1
Kirkland	638		9	22	127	205	185	82	8		
Mercer Island	214		1	2	9	52	79	60	10		1
Redmond	505		8	21	82	167	155	64	8		
Renton	718		19	27	181	274	170	42	5		
Sea Tac	11					6	3	2			
Seattle	7,163	18	199	362	1,259	1,903	2,048	1,185	172	6	11
Tukwila	74		2	3	13	27	18	10	1		
Kitsap	3,408	2	98	265	1,010	1,061	697	230	41	2	2
Bremerton	1,189		45	117	457	357	163	46	3		1
Kittitas	324	1	8	18	97	117	52	26	5		
Ellensburg	149	1	4	13	46	48	23	12	2		
Klickitat	233		12	27	79	68	33	13	1		
Lewis	895	1	41	101	309	241	134	54	14		
Centralia	248		9	24	99	59	36	18	3		
Lincoln	97		6	3	26	32	22	7	1		
Mason	507	3	48	43	145	141	93	25	8		1
Okanogan	558	2	30	44	173	156	109	36	6	2	
Pacific	229		14	25	67	58	45	13	7		
Pend Oreille	138		13	13	42	37	26	7			
Pierce	10,558	22	345	882	3,251	3,288	2,003	663	92	8	4
Puyallup	481		13	28	148	160	96	34	2		
Tacoma	3,517	12	165	338	1,075	1,015	648	219	40	4	1
San Juan	104		4	3	18	18	35	19	6	1	
Skagit	1,232	2	60	110	344	365	250	85	14	1	1
Anacortes	135		11	6	44	37	23	10	4		
Mount Vernon	367	1	18	33	104	114	75	19	3		
Skamania	103		5	11	35	26	18	6	2		
Snohomish	8,285	11	194	447	1,939	2,911	1,992	696	93		2
Edmonds	465		6	27	79	153	134	58	8		
Everett	1,848	3	59	148	584	664	282	97	11		
Lynnwood	788	3	18	46	206	265	171	67	11		1
Marysville	364		9	26	130	122	54	22	1		
Mountlake Terrace	337		8	11	88	106	85	38	1		
Spokane	5,557	7	213	480	1,583	1,744	1,111	372	44	2	1
Spokane (city)	3,560	4	154	341	1,060	1,066	707	196	31		1
Stevens	398		17	46	103	108	89	26	8	1	
Thurston	2,353	2	74	177	637	733	505	182	40		3
Lacey	287		9	28	89	81	58	15	7		
Olympia	716		17	61	196	216	150	67	8		1
Wahkiakum	26		3	4	12	2	4	1			
Walla Walla	657	2	36	65	188	184	130	42	10		
Walla Walla (city)	378	1	23	41	121	103	62	21	6		
Whatcom	1,772	3	62	119	429	589	394	153	22		1
Bellingham	669	1	32	62	169	199	140	56	10		
Whitman	401		5	12	108	144	104	24	3		1
Pullman	203		2	5	56	69	54	14	2		1
Yakima	4,017	23	267	454	1,254	1,102	638	233	42	3	1
Sunnyside	316	5	29	46	94	85	37	18	2		
Yakima (city)	1,235	8	98	141	420	317	169	71	9	2	

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Table 11. Live Births by Mother's Race by Place of Residence, Washington State 1990

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic[1]
State Totals	79,187	69,246	2,843	1,687	96	78	302	3,342	3	1,590	7,674
Adams	275	273		2							173
Asotin	270	258	1	7			1	1		2	9
Benton	1,929	1,847	16	10	6	3	4	33		10	327
Kennewick	876	839	8	7	1		1	15		5	160
Richland	494	460	7	2	3	3	1	16		2	29
Chelan	1,005	988		9			1	4		3	326
Wenatchee	434	423		8			1	2			113
Clallam	758	673	3	72	1		4	2		3	33
Port Angeles	279	264	1	11	1					2	8
Clark	4,066	3,873	55	24	6	7	9	81		11	171
Vancouver	1,924	1,784	39	19	5	4	7	57		9	105
Columbia	52	52									6
Cowlitz	1,358	1,307	4	31	1	1		7		7	77
Kelso	222	212		7				3			25
Longview	596	570	3	15	1	1		3		3	33
Douglas	440	435	1	2				2			120
Ferry	85	53		28				1		3	1
Franklin	909	862	19	10				13		5	513
Pasco	641	599	18	9				12		3	408
Garfield	21	21									
Grant	997	976	4	9	2	1	1	2		2	352
Moses Lake	216	207	3	3	1	1		1			67
Grays Harbor	945	843	2	68	1		2	9		20	41
Aberdeen	279	253	1	16			1	6		2	12
Island	1,058	927	38	9	3	1	26	51		3	73
Oak Harbor	519	431	28	3	3	1	17	36			44
Jefferson	216	190	2	15				5		4	12
King	22,951	18,423	1,376	313	27	39	106	1,902	2	763	1,103
Auburn	636	567	8	27	1		2	19		12	41
Bellevue	1,048	853	24	5		5	1	122		38	51
Bothell	175	159		4				7		5	5
Des Moines	212	166	14	3	1	1	1	18		8	11
Federal Way	1,163	1,002	54	11		1	3	80		12	81
Kent	755	672	33	5		2	1	28	1	13	37
Kirkland	638	563	11		1		4	39		20	39
Mercer Island	214	184		1				11		18	11
Redmond	505	450	3	2			2	34		14	18
Renton	718	579	48	7		2	3	65		14	41
Sea Tac	11	11									
Seattle	7,163	4,722	927	127	8	17	63	928	1	370	391
Tukwila	74	60	4	1				5		4	4
Kitsap	3,408	3,042	116	55	9	4	48	115		19	198
Bremerton	1,189	982	86	19	4	3	34	59		2	84
Kittitas	324	316	1	4				2		1	30
Ellensburg	149	147		1				1			15
Klickitat	233	217		14			1			1	29
Lewis	895	860	1	17	1		2	4		10	58
Centralia	248	238		3	1			3		3	25
Lincoln	97	95		2							2
Mason	507	440	1	28			1	5		32	18
Okanogan	558	470	1	80			1	3		3	150
Pacific	229	210	1	7		1		9		1	17
Pend Oreille	138	127		9				1		1	3
Pierce	10,558	8,770	961	159	23	10	50	542	1	42	743
Puyallup	481	464		1	2	3		7		4	24
Tacoma	3,517	2,649	476	92	8	1	13	267	1	10	264
San Juan	104	102		1				1			2
Skagit	1,232	1,172	4	36			3	14		3	200
Anacortes	135	127	1	1				6			5
Mount Vernon	367	350	2	9			3	3			107
Skamania	103	102		1							6
Snohomish	8,285	7,538	80	117	8	1	20	300		221	362
Edmonds	465	408	2	5				33		17	24
Everett	1,848	1,659	28	30	1	1	7	61		61	95
Lynnwood	788	687	22	6	2			55		16	42
Marysville	364	324		21	2			6		11	15
Mountlake Terrace	337	296	5	2			1	27		6	17
Spokane	5,557	5,292	73	97	5	2	8	66		14	159
Spokane (city)	3,560	3,360	52	85	3	1	3	46		10	89
Stevens	398	354		37				2		5	20
Thurston	2,353	1,888	38	40		1	3	81		302	126
Lacey	287	214	7	3				14		49	9
Olympia	716	520	12	11			2	29		142	40
Wahkiakum	26	26									4
Walla Walla	657	636	4	6				8		3	176
Walla Walla (city)	378	366	2	4				4		2	102
Whatcom	1,772	1,576	3	101	1		1	26		64	129
Bellingham	669	584	3	36			1	15		30	52
Whitman	401	352	7	5	1	7	2	25		2	12
Pullman	203	162	5	1	1	6	2	25		1	6
Yakima	4,017	3,660	31	262	1		8	25		30	1,893
Sunnyside	316	305	1	5			1	2		2	253
Yakima (city)	1,235	1,150	27	33			1	12		12	512

[1] Hispanic numbers are not included in total sum.

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Table 12. Live Births by Child's Race by Place of Residence, Washington State 1990

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic[1]
State Totals	79,187	69,323	2,856	1,697	99	79	307	3,406	3	1,417	7,674
Adams	275	273		2							173
Asotin	270	258	1	8			1	2			9
Benton	1,929	1,850	16	10	6	3	4	33		7	327
Kennewick	876	840	8	7	1		1	15		4	160
Richland	494	460	7	2	3	3	1	16		2	29
Chelan	1,005	989		9			1	4		2	326
Wenatchee	434	423		8			1	2			113
Clallam	758	673	3	70	1		4	2		5	33
Port Angeles	279	264	1	10	1					3	8
Clark	4,066	3,872	55	26	6	7	9	86		5	171
Vancouver	1,924	1,784	39	20	5	4	7	61		4	105
Columbia	52	52									6
Cowlitz	1,358	1,308	4	31	1	1		8		5	77
Kelso	222	212		7				3			25
Longview	596	571	3	15	1	1		3		2	33
Douglas	440	435	1	2				2			120
Ferry	85	53		28				1		3	1
Franklin	909	864	19	11				13		2	513
Pasco	641	599	18	10				12		2	408
Garfield	21	21									
Grant	997	977	4	9	2	1	1	2		1	352
Moses Lake	216	207	3	3	1	1		1			67
Grays Harbor	945	843	2	68	1		2	9		20	41
Aberdeen	279	253	1	16			1	6		2	12
Island	1,058	927	38	9	3	1	26	51		3	73
Oak Harbor	519	431	28	3	3	1	17	36			44
Jefferson	216	191	2	15				6		2	12
King	22,951	18,473	1,389	317	30	39	110	1,919	2	672	1,103
Auburn	636	569	8	28	1		3	20		7	41
Bellevue	1,048	854	25	5		5	1	123		35	51
Bothell	175	159		4			1	8		3	5
Des Moines	212	166	14	3	1	1	1	18		8	11
Federal Way	1,163	1,005	54	11		1	3	80		9	81
Kent	755	674	35	5		2	1	29	1	8	37
Kirkland	638	564	12		1		4	40		17	39
Mercer Island	214	186		1				11		16	11
Redmond	505	450	3	4			2	35		11	18
Renton	718	582	47	7		2	3	66		11	41
Sea Tac	11	11									
Seattle	7,163	4,742	933	126	9	17	64	936	1	335	391
Tukwila	74	61	4	1				5		3	4
Kitsap	3,408	3,042	116	55	9	4	48	118		16	196
Bremerton	1,189	983	86	19	4	3	54	59		1	84
Kittitas	324	316	1	4				2		1	30
Ellensburg	149	147		1				1			15
Klickitat	233	217		14			1			1	29
Lewis	895	859	1	17	1		2	5		10	58
Centralia	248	237		3	1			4		3	25
Lincoln	97	95		2							2
Mason	507	442	1	28			1	6		29	18
Okanogan	558	470	1	80			1	3		3	150
Pacific	229	210	1	7		1		9		1	17
Pend Oreille	138	127		9				1		1	3
Pierce	10,558	8,764	960	158	23	11	48	555	1	38	743
Puyallup	481	463		1	2	3		7		5	24
Tacoma	3,517	2,646	475	91	8	1	13	273	1	9	264
San Juan	104	102		1				1			2
Skagit	1,232	1,171	4	35			3	16		3	200
Anacortes	135	127	1	1				6			5
Mount Vernon	367	350	2	9			3	3			107
Skamania	103	102		1							6
Snohomish	8,285	7,546	80	119	8	1	21	308		202	362
Edmonds	465	409	2	5				33		16	24
Everett	1,848	1,660	28	31	1	1	7	64		56	95
Lynnwood	788	687	22	6	2			55		18	42
Marysville	364	325		21	2			6		10	15
Mountlake Terrace	337	295	5	2			1	29		5	17
Spokane	5,557	5,291	73	97	5	2	10	72		7	159
Spokane (city)	3,560	3,359	52	85	3	1	4	52		4	89
Stevens	398	355		37				2		4	20
Thurston	2,353	1,896	38	44		1	3	83		288	126
Lacey	287	216	7	3				14		47	9
Olympia	716	522	12	14			2	31		135	40
Wahkiakum	26	26									4
Walla Walla	657	637	4	6				8		2	176
Walla Walla (city)	378	367	2	4				4		1	102
Whatcom	1,772	1,580	3	101	1		1	27		59	129
Bellingham	669	587	3	36			1	15		27	52
Whitman	401	352	7	5	1	7	2	25		2	12
Pullman	203	162	5	1	1	6	2	25		1	6
Yakima	4,017	3,664	32	262	1		8	27		23	1,893
Sunnyside	316	307	1	5			1	2			253
Yakima (city)	1,235	1,151	28	33			1	13		9	512

[1] Hispanic numbers are not included in total sum. Total Hispanic origin not stated is 6,085.

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Table 13. Live Births by Month by Place of Residence, Washington State 1990

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
State Totals	79,187	6,193	5,891	6,803	6,449	7,239	6,893	6,978	7,113	6,605	6,552	6,251	6,220
Adams	275	25	27	21	20	26	20	24	31	21	25	13	22
Asotin	270	21	20	30	13	23	20	28	28	24	27	22	14
Benton	1,929	154	143	177	147	177	177	186	155	148	166	140	159
Kennewick	876	85	67	80	57	89	77	91	65	60	74	54	77
Richland	494	35	36	43	51	42	41	37	43	33	49	47	37
Chelan	1,005	88	84	73	73	93	80	101	70	95	101	79	68
Wenatchee	434	38	39	33	31	46	36	51	29	26	40	33	32
Clallam	758	56	46	65	64	64	51	74	70	75	71	61	61
Port Angeles	279	25	17	25	25	21	21	23	21	21	30	21	29
Clark	4,066	321	306	333	370	354	344	330	376	335	342	310	345
Vancouver	1,924	138	136	142	177	151	171	177	195	150	156	153	178
Columbia	52	3	3	3	5	8	8	8	6	2	2	2	2
Cowlitz	1,358	108	110	106	82	135	112	105	145	135	97	111	112
Kelso	222	19	15	12	12	22	15	15	36	27	16	16	17
Longview	596	42	50	42	38	59	49	53	53	59	43	52	56
Douglas	440	28	29	43	40	35	40	47	45	37	36	34	26
Ferry	85	9	9	6	9	8	6	8	10	5	7	1	7
Franklin	909	67	59	59	65	84	92	90	82	85	74	90	62
Pasco	641	52	41	44	49	54	66	60	55	58	51	69	42
Garfield	21	1	3			2	5	3	1	3	2	1	
Grant	997	82	68	74	87	80	80	98	103	78	79	78	90
Moses Lake	216	17	18	14	18	16	18	22	30	12	24	13	14
Grays Harbor	945	82	79	78	87	76	87	94	84	64	79	63	72
Aberdeen	279	24	23	27	27	29	20	25	20	22	27	14	21
Island	1,058	110	72	81	77	84	87	82	100	86	90	98	91
Oak Harbor	519	55	39	42	37	42	43	37	44	45	42	48	45
Jefferson	216	12	15	12	27	20	18	31	21	20	14	15	11
King	22,951	1,783	1,726	2,010	1,886	2,139	1,988	2,016	2,072	1,896	1,882	1,820	1,733
Auburn	636	37	52	43	55	55	55	47	57	54	65	59	57
Bellevue	1,048	75	76	92	87	96	98	108	92	77	89	79	79
Bothell	175	11	16	16	15	16	12	15	11	16	17	14	16
Des Moines	212	17	14	25	12	28	21	15	14	20	15	15	16
Federal Way	1,163	81	72	124	101	113	99	103	115	112	83	77	83
Kent	755	74	54	63	50	64	71	66	64	58	53	70	68
Kirkland	638	52	44	68	44	69	55	42	47	52	52	60	53
Mercer Island	214	20	15	23	24	19	20	14	22	11	13	18	15
Redmond	505	41	50	43	41	35	35	45	53	44	41	32	45
Renton	718	48	46	65	49	80	63	75	62	57	56	61	56
Sea Tac	11			3		2	2		2				2
Seattle	7,163	583	545	621	620	636	611	620	633	621	563	564	546
Tukwila	74	2	3	7	7	6	8	5	11	5	10	6	4
Kitsap	3,408	236	251	298	275	331	304	271	298	290	303	270	281
Bremerton	1,189	80	83	95	101	112	109	91	116	102	115	93	92
Kittitas	324	29	29	25	26	26	32	28	31	21	25	28	24
Ellensburg	149	15	11	13	9	10	17	8	11	11	16	16	12
Klickitat	233	13	17	21	12	26	15	20	29	21	20	16	23
Lewis	895	65	85	87	81	67	57	84	88	72	75	71	63
Centralia	248	17	23	31	33	26	13	11	21	23	16	15	19
Lincoln	97	12	3	14	4	9	11	5	13	4	7	8	7
Mason	507	35	43	45	45	36	36	48	55	45	35	39	43
Okanogan	558	49	42	49	41	52	41	54	46	51	46	53	32
Pacific	229	13	16	19	16	7	24	25	22	23	19	19	26
Pend Oreille	138	10	8	16	6	16	10	15	11	14	9	14	9
Pierce	10,558	785	806	899	857	997	910	936	962	875	830	830	871
Puyallup	481	42	42	31	35	44	37	53	34	40	38	36	49
Tacoma	3,517	306	299	305	257	350	250	290	319	277	284	273	307
San Juan	104	12	10	10	7	6	14	5	11	5	4	7	13
Skagit	1,232	103	87	88	106	123	89	107	103	115	107	100	104
Anacortes	135	11	9	12	17	10	13	13	8	14	8	11	9
Mount Vernon	367	35	33	27	28	33	29	32	33	26	32	30	29
Skamania	103	15	4	15	10	9	13	6	5	9	4	7	6
Snohomish	8,285	654	607	744	663	757	754	712	719	701	659	660	655
Edmonds	465	37	34	40	36	44	44	37	44	34	37	42	36
Everett	1,848	155	145	144	161	171	146	160	160	174	140	138	154
Lynnwood	788	53	50	85	67	81	74	64	64	65	66	60	59
Marysville	364	33	20	38	28	38	29	33	23	24	31	35	32
Mountlake Terrace	337	27	23	22	31	31	33	28	32	22	28	32	28
Spokane	5,557	441	379	470	433	537	514	478	493	465	474	441	432
Spokane (city)	3,560	294	235	303	280	343	321	304	299	299	297	296	289
Stevens	398	29	31	44	35	31	34	43	21	27	36	36	31
Thurston	2,353	206	179	204	205	207	221	182	202	172	200	180	195
Lacey	287	26	24	25	18	21	20	27	33	19	25	28	21
Olympia	716	45	58	59	80	54	70	60	54	47	72	49	68
Wahkiakum	26		2	2	4	5	1	2	2	1	2	2	3
Walla Walla	657	52	59	52	61	50	49	61	54	60	55	51	53
Walla Walla (city)	378	33	31	31	30	29	26	32	30	38	30	33	35
Whatcom	1,772	137	110	161	151	154	160	168	157	134	159	146	135
Bellingham	669	49	42	63	64	52	56	59	70	49	56	64	43
Whitman	401	29	24	34	45	35	42	43	36	28	37	27	21
Pullman	203	19	14	11	25	18	19	24	13	17	16	11	16
Yakima	4,017	318	300	335	314	350	345	360	356	363	350	308	318
Sunnyside	316	36	28	23	20	34	21	17	25	30	32	25	25
Yakima (city)	1,235	102	101	96	84	96	108	97	114	124	114	94	105

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Table 14. Live Births by Birth Weight in Grams by Place of Residence, Washington State 1990

County and City	Total	1000 or less	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000	4001-4500	4501 and Over	Not Stated
State Totals	79,187	297	356	789	2,736	10,403	27,682	25,847	9,034	1,919	124
Adams	275		4	1	6	34	108	96	21	5	
Asotin	270		2	1	6	29	112	86	25	9	
Benton	1,929	11	4	17	58	245	683	637	229	45	
Kennewick	876	7	1	6	29	118	303	291	98	23	
Richland	494	1	2	6	12	55	177	167	62	12	
Chelan	1,005	2	5	13	34	133	338	348	105	23	4
Wenatchee	434	1	5	6	12	55	155	141	45	12	2
Clallam	758	1	2	7	19	89	270	250	97	22	1
Port Angeles	279			2	5	36	96	95	35	10	
Clark	4,066	17	14	46	122	486	1,423	1,353	485	115	5
Vancouver	1,924	10	8	28	53	254	672	628	214	54	3
Columbia	52			2	2	6	15	14	11	2	
Cowlitz	1,358	6	10	24	47	176	458	427	175	34	1
Kelso	222	1	3	4	11	29	72	65	31	6	
Longview	596	2	4	11	21	85	176	193	86	17	1
Douglas	440	1	3	5	14	66	143	144	55	7	2
Ferry	85		2		2	6	41	28	5	1	
Franklin	909	4	5	10	40	147	316	271	95	20	1
Pasco	641	2	5	9	23	107	235	185	63	12	
Garfield	21					2	7	9	2	1	
Grant	997	2	3	6	38	171	367	294	95	19	2
Moses Lake	216		2	4	10	49	73	57	18	3	
Grays Harbor	945	3	5	8	37	145	321	310	95	20	1
Aberdeen	279		2	4	18	46	93	92	21	3	
Island	1,058	2	8	12	29	137	354	332	151	33	
Oak Harbor	519	1	1	6	17	67	172	170	70	15	
Jefferson	216			3	7	28	45	87	37	8	1
King	22,951	86	103	234	824	3,010	7,938	7,551	2,613	547	45
Auburn	636	4	2	6	25	89	234	190	66	18	2
Bellevue	1,048	5	5	11	36	110	359	373	121	24	4
Bothell	175			2	4	21	51	66	27	4	
Des Moines	212	2	3	2	3	27	77	69	26	3	
Federal Way	1,163	3	5	4	36	156	425	380	127	26	1
Kent	755	4	2	10	23	105	288	231	77	15	
Kirkland	638	3		3	12	63	213	230	95	18	1
Mercer Island	214			4	11	21	71	70	29	8	
Redmond	505	2	1	1	17	52	170	181	63	18	
Renton	718	2	2	6	28	106	244	235	77	17	1
Sea Tac	11				1	3	3	2	2		
Seattle	7,163	36	48	98	289	1,078	2,544	2,178	731	136	25
Tukwila	74				2	10	36	21	4	1	
Kitsap	3,408	15	26	32	103	408	1,097	1,158	447	119	3
Bremerton	1,189	4	6	6	30	157	422	387	135	40	2
Kittitas	324	1		3	13	42	108	107	42	8	
Ellensburg	149				6	21	50	47	22	3	
Klickitat	233	2		3	9	25	89	68	31	5	1
Lewis	895	3		8	44	120	305	286	106	21	2
Centralia	248	1			14	40	79	83	27	2	2
Lincoln	97		1		5	12	38	24	11	6	
Mason	507	5	5	3	17	67	145	184	64	17	
Okanogan	558		3	8	22	83	209	158	65	10	
Pacific	229			4	22	25	67	79	32		
Pend Oreille	138		3	2	8	19	41	42	18	5	
Pierce	10,558	46	51	115	413	1,523	3,774	3,303	1,090	228	15
Puyallup	481	3	1	3	11	55	176	172	51	9	
Tacoma	3,517	20	15	40	148	571	1,277	1,051	326	58	11
San Juan	104	1			1	14	34	37	14	3	
Skagit	1,232	2	8	12	26	162	412	412	156	40	2
Anacortes	135			4	7	20	47	38	14	5	
Mount Vernon	367	1	1	2	5	42	146	125	37	7	1
Skamania	103	1			3	13	46	27	12	1	
Snohomish	8,285	20	31	67	275	995	2,830	2,868	980	209	10
Edmonds	465			2	17	46	161	168	54	16	1
Everett	1,848	2	14	17	70	256	667	607	177	36	2
Lynnwood	788	1	2	3	25	88	278	279	90	21	1
Marysville	364	1			11	43	116	138	41	13	1
Mountlake Terrace	337	3		3	6	36	120	121	43	5	
Spokane	5,557	20	23	41	187	758	2,124	1,720	570	100	14
Spokane (city)	3,560	14	15	35	143	519	1,367	1,071	324	63	9
Stevens	398	1	4	5	10	43	157	125	44	9	
Thurston	2,353	11	4	25	72	282	783	799	314	60	3
Lacey	287	2	1	3	7	28	90	109	38	8	1
Olympia	716	5	2	5	27	90	246	234	94	22	1
Wahkiakum	26					2	12	10	2		
Walla Walla	657	4	2	5	20	76	225	222	88	14	1
Walla Walla (city)	378	3	2	4	14	37	134	126	48	9	1
Whatcom	1,772	6	9	17	50	200	579	607	240	59	5
Bellingham	669	3	7	5	16	74	247	217	77	19	4
Whitman	401	3	1	3	10	53	135	145	47	4	
Pullman	203	2		1	5	32	56	81	24	2	
Yakima	4,017	21	15	47	141	571	1,533	1,229	365	90	5
Sunnyside	316		1		13	41	121	107	27	5	1
Yakima (city)	1,235	9	7	18	47	179	499	362	87	26	1

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Table 15. Multiple Births by Number Born Alive In Each Set by Place of Residence, Washington State 1990

County and City	Sets of Twins			Sets of Triplets				Sets of Four or More[1]
	2 Born Alive	1 Born Alive	None Alive	3 Born Alive	2 Born Alive	1 Born Alive	None Alive	Total
State Totals	908	30		20	2			2
Adams	3							
Asotin	1							
Benton	26	2						
Kennewick	12							
Richland	8							
Chelan	12							
Wenatchee	7							
Clallam	4							
Port Angeles								
Clark	44							
Vancouver	16							
Columbia	2							
Cowlitz	17	2						
Kelso	3							
Longview	9							
Douglas	5							
Ferry								
Franklin	8	1						
Pasco	3	1						
Garfield								
Grant	11	1		1				
Moses Lake	4			1				
Grays Harbor	7							
Aberdeen	3							
Island	13							
Oak Harbor	7							
Jefferson	2							
King	269	9		9	2			
Auburn	5							
Bellevue	10	2		1				
Bothell	1							
Des Moines	3							
Federal Way	10							
Kent	7	1						
Kirkland	3							
Mercer Island	4			2	1			
Redmond	5				1			
Renton	11							
Sea Tac	1							
Seattle	90	4		3				
Tukwila	1							
Kitsap	44			1				
Bremerton	11							
Kittitas	3							
Ellensburg	1							
Klickitat	2							
Lewis	12							
Centralia	4							
Lincoln								
Mason	5							
Okanogan	7							
Pacific	5							
Pend Oreille	4	1						
Pierce	123	4		6				
Puyallup	5							
Tacoma	29	1		5				
San Juan	2							
Skagit	14							
Anacortes	4							
Mount Vernon	5							
Skamania	2							
Snohomish	91	3		2				
Edmonds	4							
Everett	27	2						
Lynnwood	6							
Marysville	3							
Mountlake Terrace	7							
Spokane	55	3						
Spokane (city)	45	1						
Stevens	3	1						
Thurston	31	2						1
Lacey	3							
Olympia	10	2						1
Wahkiakum								
Walla Walla	2							
Walla Walla (city)	1							
Whatcom	18			1				1
Bellingham	4							1
Whitman	7							
Pullman	6							
Yakima	54	1						
Sunnyside	2							
Yakima (city)	18							

[1] Quadruplets: 1 set with 2 live born, 1 set with 4 live born.

Table 16. Live Births with Malformations with Percent of Total Births by Place of Residence, Washington State 1990

County and City	Total Births	Births with Malformations	Percent of Total Births[1]	Total Malformations[2]
State Totals	79,187	1,880	2.4	2,133
Adams	275	8	2.9	11
Asotin	270	4	1.5	4
Benton	1,929	57	3.0	65
Kennewick	876	20	2.3	24
Richland	494	24	4.9	26
Chelan	1,005	16	1.6	18
Wenatchee	434	5	1.2	5
Clallam	758	26	3.4	36
Port Angeles	279	6	2.2	7
Clark	4,066	56	1.4	65
Vancouver	1,924	30	1.6	36
Columbia	52	1	1.9	1
Cowlitz	1,358	26	1.9	28
Kelso	222	5	2.3	5
Longview	596	14	2.4	15
Douglas	440	11	2.5	12
Ferry	85	4	4.7	4
Franklin	909	22	2.4	27
Pasco	641	12	1.9	15
Garfield	21	1	4.8	1
Grant	997	24	2.4	31
Moses Lake	216	2	.9	2
Grays Harbor	945	20	2.1	21
Aberdeen	279	5	1.8	5
Island	1,058	27	2.6	32
Oak Harbor	519	15	2.9	17
Jefferson	216	6	2.8	10
King	22,951	422	1.8	480
Auburn	636	9	1.4	11
Bellevue	1,048	20	1.9	21
Bothell	175	1	.6	1
Des Moines	212	5	2.4	5
Federal Way	1,163	23	2.0	27
Kent	755	10	1.3	11
Kirkland	638	11	1.7	11
Mercer Island	214	4	1.9	4
Redmond	505	8	1.6	8
Renton	718	13	1.8	16
Sea Tac	11			
Seattle	7,163	161	2.3	189
Tukwila	74			
Kitsap	3,408	159	4.7	175
Bremerton	1,189	68	5.7	74
Kittitas	324	10	3.1	13
Ellensburg	149	4	2.7	4
Klickitat	233	11	4.7	12
Lewis	895	22	2.5	25
Centralia	248	7	2.8	8
Lincoln	97	6	6.2	6
Mason	507	15	3.0	15
Okanogan	558	12	2.2	12
Pacific	229	3	1.3	3
Pend Oreille	138	1	.7	1
Pierce	10,558	357	3.4	395
Puyallup	481	16	3.3	16
Tacoma	3,517	72	2.1	85
San Juan	104	5	4.8	7
Skagit	1,232	24	2.0	29
Anacortes	135	3	2.2	3
Mount Vernon	367	3	.8	4
Skamania	103	2	1.9	2
Snohomish	8,285	186	2.3	209
Edmonds	465	6	1.3	7
Everett	1,848	51	2.8	56
Lynnwood	788	9	1.1	10
Marysville	364	14	3.9	14
Mountlake Terrace	337	9	2.7	9
Spokane	5,557	167	3.0	187
Spokane (city)	3,560	114	3.2	125
Stevens	398	12	3.0	12
Thurston	2,353	53	2.3	57
Lacey	287	6	2.1	6
Olympia	716	11	1.5	11
Wahkiakum	26			
Walla Walla	657	22	3.4	24
Walla Walla(city)	378	13	3.4	13
Whatcom	1,772	42	2.4	48
Bellingham	669	16	2.4	19
Whitman	401	10	2.5	14
Pullman	203	3	1.5	5
Yakima	4,017	30	.8	41
Sunnyside	316	5	1.6	8
Yakima (city)	1,235	5	.4	5

[1] Total may not add up to 100% due to rounding.
[2] Individual births may have more than one malformation.

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Table 17. Live Births with Maternal Smoking by Mother's Place of Residence, Washington State 1990

County and City	Total Births	Births with Maternal Smoking		Births with No Maternal Smoking		Births with Maternal Smoking Unknown	
		Number	Percent	Number	Percent	Number	Percent
State Totals	79,187	13,750	17.4	54,466	68.8	10,971	13.9
Adams	275	34	12.4	235	85.5	6	2.2
Asotin	270	66	24.4	126	46.7	78	28.9
Benton	1,929	396	20.5	1,518	78.7	15	.8
Kennewick	876	214	24.4	654	74.7	8	.9
Richland	494	91	18.4	401	81.2	2	.4
Chelan	1,005	116	11.5	773	76.9	116	11.5
Wenatchee	434	54	12.4	318	73.3	62	14.3
Clallam	758	177	23.4	519	68.5	62	8.2
Port Angeles	279	68	24.4	192	68.8	19	6.8
Clark	4,066	841	20.7	2,993	73.6	232	5.7
Vancouver	1,924	500	26.0	1,317	68.5	107	5.6
Columbia	52	10	19.2	40	76.9	2	3.9
Cowlitz	1,358	278	20.5	1,057	77.8	23	1.7
Kelso	222	54	24.3	164	73.9	4	1.8
Longview	596	121	20.3	464	77.9	11	1.9
Douglas	440	64	14.6	316	71.8	60	13.6
Ferry	85	25	29.4	59	69.4	1	1.2
Franklin	909	115	12.7	784	86.3	10	1.1
Pasco	641	97	15.1	536	83.6	8	1.3
Garfield	21	2	9.5	11	52.4	8	38.1
Grant	997	168	16.9	795	79.7	34	3.4
Moses Lake	216	47	21.8	160	74.1	9	4.2
Grays Harbor	945	293	31.0	529	56.0	123	13.0
Aberdeen	279	98	35.1	157	56.3	24	8.6
Island	1,058	210	19.9	816	77.1	32	3.0
Oak Harbor	519	94	18.1	413	79.6	12	2.3
Jefferson	216	32	14.8	174	80.6	10	4.6
King	22,951	2,640	11.5	15,260	66.5	5,051	22.0
Auburn	636	200	31.5	382	60.1	54	8.5
Bellevue	1,048	105	10.0	823	78.5	120	11.5
Bothell	175	21	12.0	127	72.6	27	15.4
Des Moines	212	28	13.2	120	56.6	64	30.2
Federal Way	1,163	196	16.9	832	71.5	135	11.6
Kent	755	172	22.8	493	65.3	90	11.9
Kirkland	638	65	10.2	520	81.5	53	8.3
Mercer Island	214	10	4.7	144	67.3	60	28.0
Redmond	505	62	12.3	406	80.4	37	7.3
Renton	718	113	15.7	501	69.8	104	14.5
Sea Tac	11	1	9.1	10	90.9	0	-
Seattle	7,163	450	6.3	4,031	56.3	2,682	37.4
Tukwila	74	16	21.6	36	48.7	22	29.7
Kitsap	3,408	777	22.8	2,416	70.9	215	6.3
Bremerton	1,189	338	28.4	821	69.1	30	2.5
Kittitas	324	74	22.8	248	76.5	2	.6
Ellensburg	149	32	21.5	117	78.5	0	-
Klickitat	233	71	30.5	151	64.8	11	4.7
Lewis	895	225	25.1	604	67.5	66	7.4
Centralia	248	75	30.2	152	61.3	21	8.5
Lincoln	97	15	15.5	76	78.4	6	6.2
Mason	507	127	25.1	287	56.6	93	18.3
Okanogan	558	124	22.2	422	75.6	12	2.2
Pacific	229	68	29.7	139	60.7	22	9.6
Pend Oreille	138	52	37.7	81	58.7	5	3.6
Pierce	10,558	1,978	18.7	6,804	64.4	1,776	16.8
Puyallup	481	104	21.6	331	68.8	46	9.6
Tacoma	3,517	695	19.8	2,110	60.0	712	20.2
San Juan	104	8	7.7	89	85.6	7	6.7
Skagit	1,232	218	17.7	951	77.2	63	5.1
Anacortes	135	39	28.9	90	66.7	6	4.4
Mount Vernon	367	57	15.5	290	79.0	20	5.5
Skamania	103	28	27.2	70	68.0	5	4.9
Snohomish	8,285	1,669	20.1	5,876	70.9	740	8.9
Edmonds	465	62	13.3	334	71.8	69	14.8
Everett	1,848	557	30.1	1,183	64.0	108	5.8
Lynnwood	788	161	20.4	534	67.8	93	11.8
Marysville	364	83	22.8	264	72.5	17	4.7
Mountlake Terrace	337	65	19.3	222	65.9	50	14.8
Spokane	5,557	1,376	24.8	3,705	66.7	476	8.6
Spokane (city)	3,560	993	27.9	2,242	63.0	325	9.1
Stevens	398	120	30.2	269	67.6	9	2.3
Thurston	2,353	222	9.4	1,028	43.7	1,103	46.9
Lacey	287	22	7.7	105	36.6	160	55.8
Olympia	716	43	6.0	247	34.5	426	59.5
Wahkiakum	26	3	11.5	23	88.5	0	-
Walla Walla	657	130	19.8	520	79.2	7	1.1
Walla Walla (city)	378	89	23.5	284	75.1	5	1.3
Whatcom	1,772	271	15.3	1,174	66.3	327	18.5
Bellingham	669	125	18.7	416	62.2	128	19.1
Whitman	401	38	9.5	338	84.3	25	6.2
Pullman	203	13	6.4	182	89.7	8	3.9
Yakima	4,017	689	17.2	3,190	79.4	138	3.4
Sunnyside	316	22	7.0	287	90.8	7	2.2
Yakima (city)	1,235	301	24.4	909	73.6	25	2.0

'Detail may not add to 100% due to rounding.

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Table 18. Live Births to Single Mothers by Place of Residence by Age of Mother, Washington State 1990

County and City	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Total	18,715	126	2,211	3,454	6,535	3,694	1,877	690	113	8	7
Adams	71	2	15	12	19	15	4	3	1		
Asotin	95		10	16	42	18	7	2			
Benton	439	3	51	90	141	95	40	17	2		
Kennewick	252	1	26	54	88	53	22	6			
Richland	84		8	18	28	19	4	6	1		
Chelan	242		29	51	79	49	22	9	3		
Wenatchee	139		20	30	44	29	7	7	2		
Clallam	226	2	34	46	71	32	30	11			
Port Angeles	95	1	13	21	30	11	13	6			
Clark	962	4	109	187	364	188	80	26	3		1
Vancouver	608	3	63	119	242	121	48	10	2		
Columbia	11		1	2	5		1	1	1		
Cowlitz	383	2	53	84	129	73	34	6	2		
Kelso	90	1	15	23	29	15	6	1			
Longview	183	1	20	33	67	43	16	1	2		
Douglas	100	1	17	23	31	17	11				
Ferry	40		6	8	17	5	1	3			
Franklin	305	4	43	62	96	60	28	12			
Pasco	268	3	38	53	86	56	23	9			
Garfield	3			1	2						
Grant	257		42	61	85	42	23	4			
Moses Lake	64		10	13	22	15	4				
Grays Harbor	319	1	53	67	116	55	22	4	1		
Aberdeen	108	1	12	26	38	20	9	2			
Island	111	1	9	28	36	21	11	4	1		
Oak Harbor	52		7	12	17	10	3	3			
Jefferson	59	1	8	8	16	11	9	6			
King	4,758	30	449	767	1,609	1,013	582	252	50	2	4
Auburn	215	5	22	45	73	41	24	3	2		
Bellevue	139		13	19	51	31	16	7	2		
Bothell	24		1	4	9	3	5		1		1
Des Moines	52		3	8	21	9	9	2			
Federal Way	246	1	18	47	105	45	21	9			
Kent	195		20	37	68	46	15	9			
Kirkland	88		8	16	33	16	9	4	2		
Mercer Island	12		1		3	4		4			
Redmond	68		7	15	23	9	10	4			
Renton	163		16	20	58	41	22	6			
Sea Tac											
Seattle	1,966	17	187	289	647	418	251	126	28	1	2
Tukwila	14		2		4	3	3	2			
Kitsap	625	2	78	147	204	110	60	23	1		
Bremerton	255		32	59	84	48	22	10			
Kittitas	57	1	4	8	20	14	7	3			
Ellensburg	29	1	1	5	8	6	7	1			
Klickitat	86		9	14	35	20	6	2			
Lewis	265	1	34	50	107	34	26	8	5		
Centralia	74		7	7	40	9	8	2	1		
Lincoln	15		4	3	4	3	1				
Mason	166	3	40	27	52	29	11	4			
Okanogan	192	2	26	25	61	48	20	6	2	2	
Pacific	73		13	9	28	13	6	3	1		
Pend Oreille	38		11	9	9	6	2	1			
Pierce	2,719	21	301	506	988	534	254	96	15	3	1
Puyallup	103		12	12	42	24	9	3	1		
Tacoma	1,213	11	156	239	408	231	112	43	10	3	
San Juan	17		3	2	3	1	6	1	1		
Skagit	346	2	50	68	116	65	38	7			
Anacortes	36		11	5	16	1	3				
Mount Vernon	115	1	13	19	35	26	17	4			
Skamania	32		3	5	11	8	4		1		
Snohomish	1,577	10	169	264	559	350	165	55	5		
Edmonds	77		5	19	24	16	9	4			
Everett	529	3	51	97	189	124	51	11	3		
Lynnwood	165	2	15	26	69	37	10	6			
Marysville	89		7	17	38	14	7	6			
Mountlake Terrace	71		8	10	28	12	9	4			
Spokane	1,462	7	176	302	547	259	130	36	4		1
Spokane (city)	1,101	4	135	223	416	201	94	25	2		1
Stevens	107		14	24	29	21	13	5	1		
Thurston	470	1	55	87	163	90	49	20	5		
Lacey	59		5	14	28	7	3	1	1		
Olympia	166		14	32	59	32	17	10	2		
Wahkiakum	9		2	2	4		1				
Walla Walla	175	2	22	40	59	27	16	8	1		
Walla Walla(city)	119	1	14	29	42	17	8	7	1		
Whatcom	379	3	55	65	146	66	32	11	1		
Bellingham	185	1	31	35	69	31	13	5			
Whitman	39		4	4	14	9	7	1			
Pullman	18		2	3	7	4	1	1			
Yakima	1,485	20	209	280	518	293	118	40	6	1	
Sunnyside	151	5	23	33	44	33	10	2	1		
Yakima (city)	511	6	80	91	188	94	34	16	2		

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Table 19. Live Births by Institutions by Place of Occurrence, Washington State 1990

County and City	Total	Hospital	Birth Center	Federal Facility	Home	Born On Arrival	Other and Not Stated
State Totals	77,776	71,904	162	4,140	1,279	60	231
Adams	345	342			3		
Asotin							
Benton	2,427	2,420			4	2	1
Kennewick	1,017	1,013			3	1	
Richland	1,025	1,023			1	1	
Chelan	1,398	1,377			18		3
Wenatchee	1,262	1,254			8		
Clallam	756	730			24	1	1
Port Angeles	652	644			7	1	
Clark	2,595	2,544			48		3
Vancouver	2,574	2,544			28		2
Columbia							
Cowlitz	1,480	1,467			10	3	
Kelso	4				4		
Longview	1,472	1,466			3	3	
Douglas	8				8		
Ferry	14	14					
Franklin	662	650			5		7
Pasco	654	650			2		2
Garfield							
Grant	761	746			13	1	1
Moses Lake	696	692			3	1	
Grays Harbor	756	747			9		
Aberdeen	748	747			1		
Island	808	228		555	23	2	
Oak Harbor	6				6		
Jefferson	154	142			10	1	1
King	26,614	26,202	23		344	15	30
Auburn	836	820			16		
Bellevue	2,565	2,557			8		
Bothell	12				12		
Des Moines	3				3		
Federal Way	1,489	1,475			14		
Kent	25				25		
Kirkland	2,350	2,332			15	2	1
Mercer Island	4				4		
Redmond	1,562	1,543			18	1	
Renton	3,124	3,109			15		
Sea Tac							
Seattle	14,091	13,862	23		178	11	17
Tukwila							
Kitsap	2,908	2,213		649	39	5	2
Bremerton	2,232	2,211			14	5	2
Kittitas	286	275			6		5
Ellensburg	277	274			3		
Klickitat	224	221			3		
Lewis	876	758			118		
Centralia	722	690			32		
Lincoln	30	29			1		
Mason	250	238			11		1
Okanogan	591	581			10		
Pacific	88	83			5		
Pend Oreille	26	24			2		
Pierce	10,974	8,169	73	2,521	158	5	48
Puyallup	1,500	1,480			20		
Tacoma	6,838	6,688	73	1	71	5	
San Juan	6				6		
Skagit	1,501	1,405	66		27	1	2
Anacortes	219	212			5	1	1
Mount Vernon	910	834	66		10		
Skamania							
Snohomish	5,699	5,406			178		115
Edmonds	1,755	1,744			10		1
Everett	3,140	3,072			68		
Lynnwood	26				20		6
Marysville	15				9		6
Mountlake Terrace	13				13		
Spokane	6,275	5,774		415	56	23	7
Spokane (city)	5,807	5,757			41	2	7
Stevens	290	279			11		
Thurston	2,190	2,126			63		1
Lacey	4				4		
Olympia	2,163	2,126			36		1
Wahkiakum	1				1		
Walla Walla	899	895			4		
Walla Walla (city)	898	895			3		
Whatcom	1,709	1,656			52		1
Bellingham	1,686	1,656			30		
Whitman	348	344			3		1
Pullman	307	306			1		
Yakima	3,827	3,819			6	1	1
Sunnyside	407	406			1		
Yakima (city)	2,811	2,809			1		1

S00400E-HBI

MORTALITY

MORTALITY

MORTALITY

Mortality At A Glance

Washington State 1990

Item	Data	Trend[2]	Comparable US Data[3]
Number of Deaths	36,899	+	
Death Rate (deaths per 1,000 population)	7.6	N	8.6
Five Leading Cause[1] Death Rates (deaths per 100,000 population)			
Diseases of the Heart	229.5	-	290.8
Malignant Neoplasms	184.3	+	202.8
Cerebrovascular Disease	55.8	-	58.1
Chronic Obstructive Pulmonary Disease	39.8	+	35.7
All Accidents	36.2	-	36.7

[1] Mortality Table 21 gives International List Numbers (ICD-9 codes) for these causes.

[2] - = decreasing, + = increasing, N = no change.

[3] Rates by cause are provisional, based on a ten percent sample.

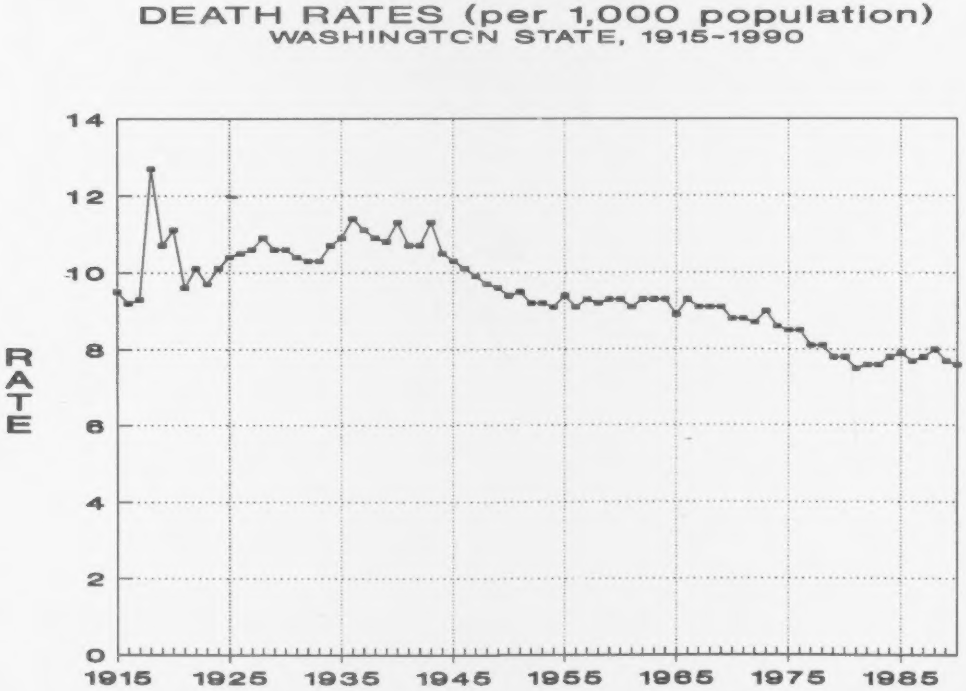


Figure 2

Did Washington State Meet 1990 Goals?*

	State Death Rates[1]		
	Projected 1990	Actual 1990[2]	1990 Goal
General Health			
Ages 1-14	31	27.8	34.0
15-24	94	92.8	92.0
25-64	314	323.2	400.0
Injury Prevention			
Motor Vehicle Accidents	16	18.7	18.0
Children under 15	7	5.9	5.5
Home Accidents			
Children under 15	4	3.6	5.0
Falls	5	5.6	2.0
Drowning	2	2.7	1.5
Stress and Violent Behavior			
Suicide: Ages 15-24	16	15.0	11.0
Male	26	22.1	11.0
Female	5	7.3	11.0
Alcohol Abuse			
Cirrhosis of the Liver	9	8.4	12.0
White	9	8.8	12.0
African American	12	7.6	12.0
Native American	17	37.8	12.0

[1] Rates are deaths per 100,000 population in group.

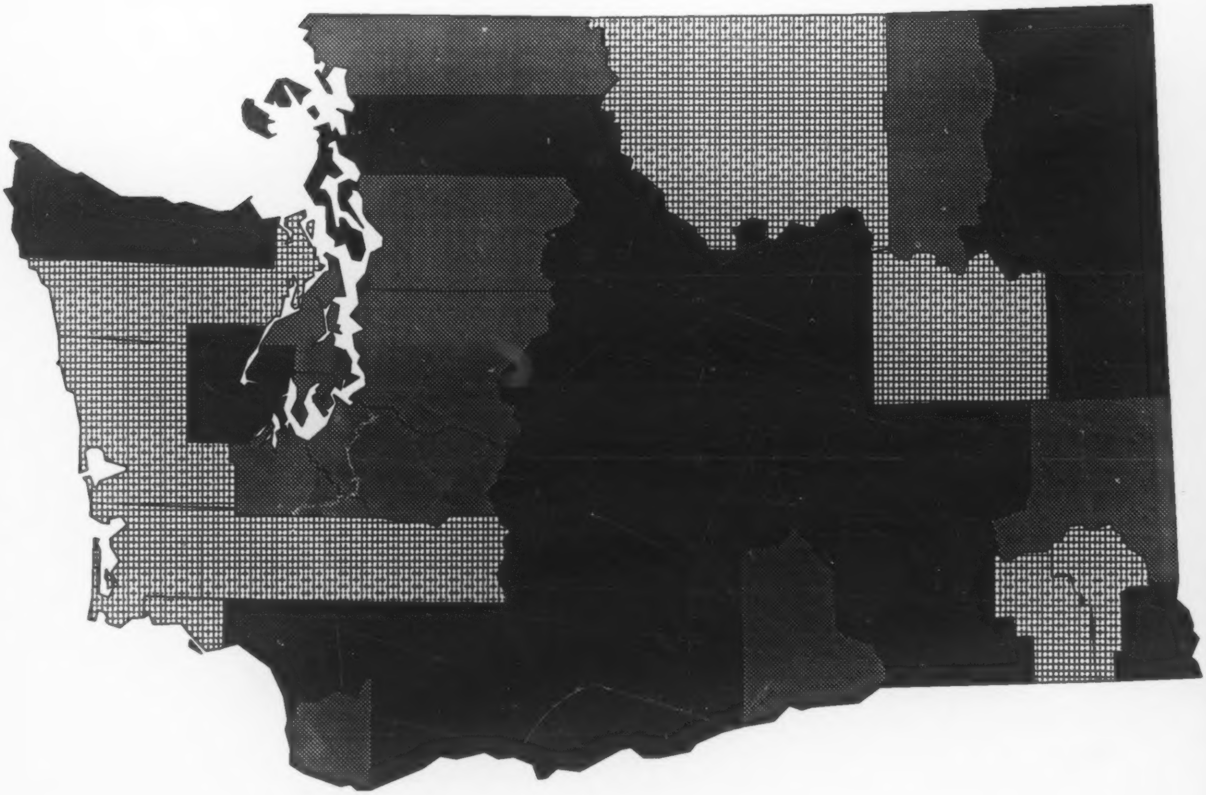
[2] Data Years: Home and motor vehicle accidents, suicides (1989-90); all others (1990).

Areas of Concern

- Projections correctly estimated that goals for motor vehicle accidents (children under 15), falls, drowning, and male suicide, ages 15-24 would not be met.
- Projections correctly estimated that goals for cirrhosis of the liver in Native Americans would not be met, but rates were still considerably underestimated. Projections were made at a time when rates appeared to be decreasing, but in the last three years, rates have been considerably higher.

*Methods and sources of data described in Technical Notes, Appendix A.

Deaths



Washington State, 1990

Deaths/1,000 population

▨ 5 - 7
■ 8 - 10
▦ 11 or More

Infant Mortality At A Glance

Washington State 1990

Item	Data	Trend[2]	Comparable US Data[3]
Number of Infant Deaths	620	-	
Infant Death Rate (deaths per 1,000 live births)			
All Infant Deaths	7.8	-	9.1
Neonatal (0-27 days)	4.2	-	5.7
Postneonatal (28 days - 1 year)	3.6	-	3.4
Leading Cause[1] Death Rates (deaths per 100,000 population)			
Certain Causes of Mortality in Early Infancy	204.5	-	329.6
Sudden Infant Death Syndrome (SIDS)	245.6	N	118.2
Congenital Anomalies	201.8	-	198.8
Birth Injury and Anoxia	50.5	-	81.3

[1] Mortality Table 21 gives International List Numbers (ICD-9 codes) for these causes.

[2] - = decreasing, + = increasing, N = no change.

[3] Rates by cause are provisional, based on a ten percent sample.

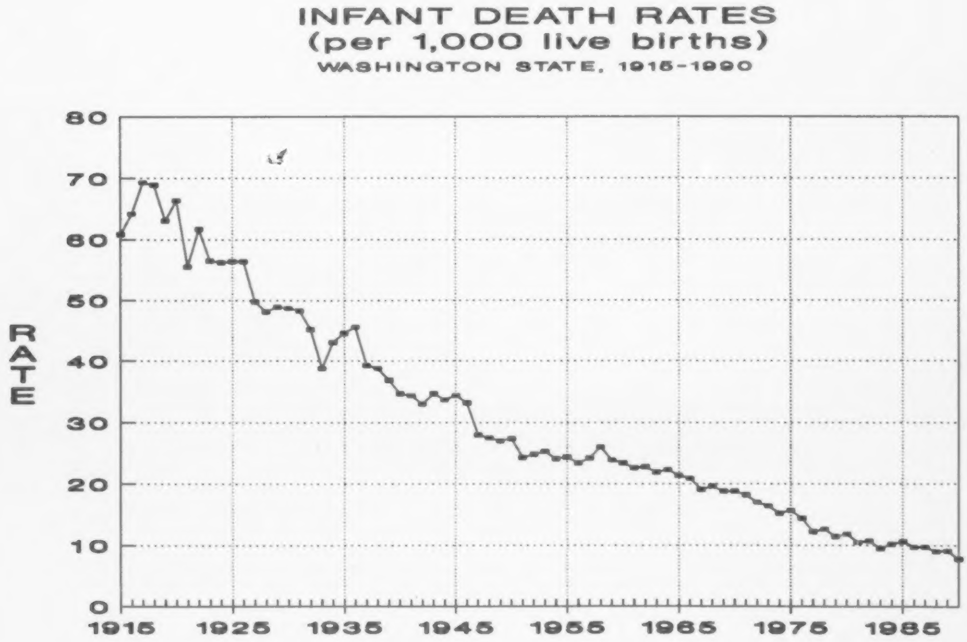
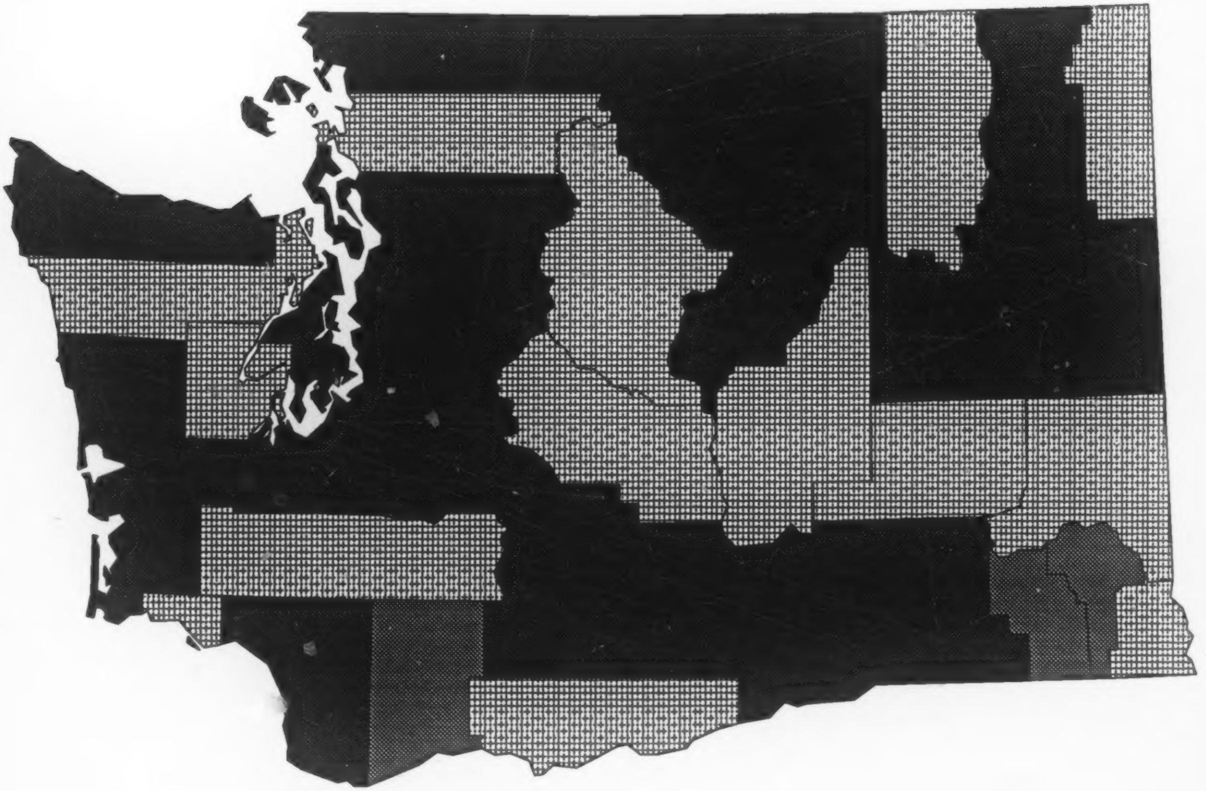


Figure 3

Infant Deaths



Washington State, 1988-90

Infant deaths/1,000 births

▨ 0 - 5
■ 6 - 10
▦ 11 or More

Fetal Mortality At A Glance

Washington State 1990

Item	Data	Trend[1]	Comparable US Data[2]
Number of Fetal Deaths	462	-	
Fetal Death Ratio (deaths per 1,000 live births)	5.8	-	7.0

[1] - = decreasing, + = increasing, N = no change.

[2] US figure estimated from earlier data.

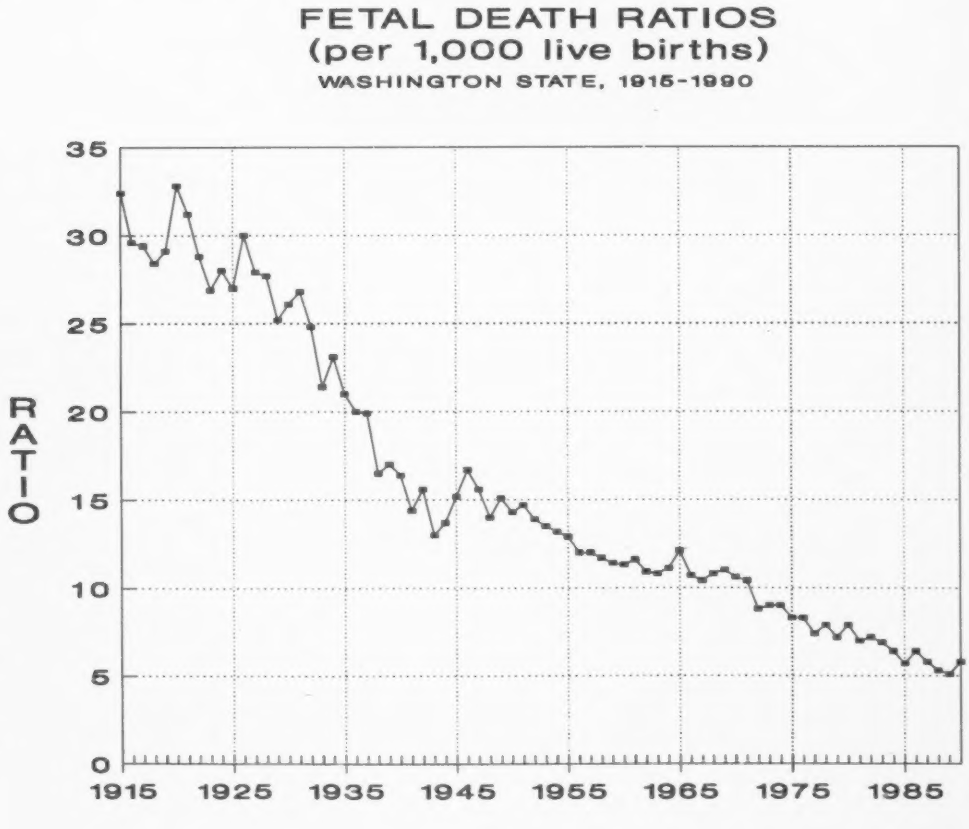
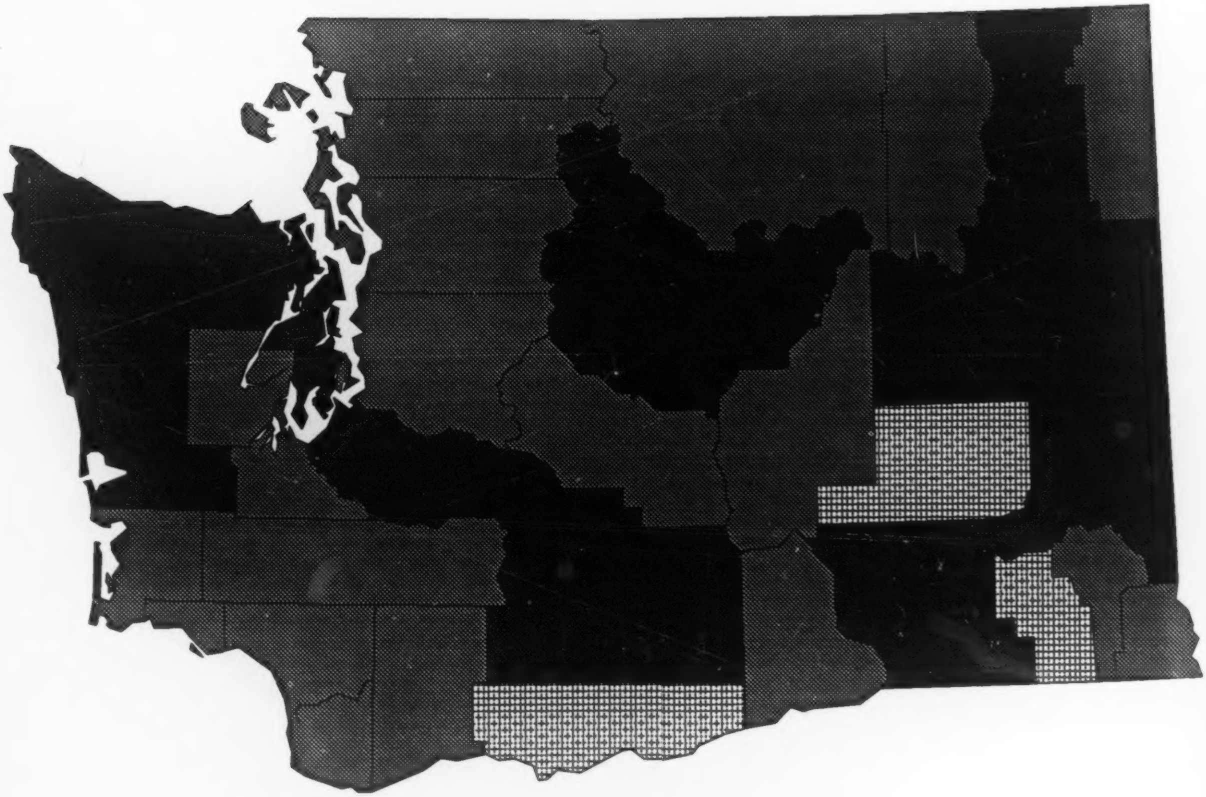


Figure 4

Fetal Deaths



Washington State, 1988-90

Fetal Deaths/1,000 births

▩ 0 - 5

■ 6 - 10

▦ 11 or More

Table 20. Deaths in Washington State by Selected Topics, 1990

A. Residents, Sex and Race

	Total	Male	Female	Unk
Total	36,899	19,120	17,779	
White	34,985	17,986	16,999	
African American	865	552	313	
Native American	409	224	185	
Japanese	120	55	65	
Chinese	79	42	37	
Filipino	107	70	37	
Other Asian	296	169	127	
Other	2	1	1	
Unknown	36	21	15	
Hispanic[1]	516	355	161	

B. Residents, Infant Deaths by Race

Total	620
White	514
African American	60
Native American	29
Japanese	
Chinese	
Filipino	2
Other Asian	13
Other	
Unknown	2
Hispanic[1]	68

C. Residents, Age Group by Sex

	Total	Male	Female	Unk
Total	36,899	19,120	17,779	
Under 1	620	331	289	
1 - 4	123	63	60	
5 - 14	155	97	58	
15 - 19	260	189	71	
20 - 24	362	282	80	
25 - 34	961	708	253	
35 - 44	1,466	1,020	446	
45 - 54	1,898	1,194	704	
55 - 64	3,884	2,359	1,525	
65 - 74	8,133	4,717	3,416	
75 - 84	10,447	5,307	5,140	
85 - 94	7,109	2,526	4,583	
95 and Over	1,477	324	1,153	
Unknown	4	3	1	

D. Residents, Life Expectancy by Age Group[2]

Age Group	Life Expectancy	Standard Deviation
0 - 1	76.9	.070
1-5	76.6	.066
5 - 10	72.7	.065
10 - 15	67.8	.064
15 - 20	62.8	.064
20 - 25	58.0	.062
25 - 30	53.4	.061
30 - 35	48.6	.060
35 - 40	43.9	.059
40 - 45	39.2	.058
45 - 50	34.6	.057
50 - 55	30.1	.055
55 - 60	25.8	.053
60 - 65	21.7	.049
65 - 70	17.9	.046
70 - 75	14.5	.042
75 - 80	11.4	.038
80 - 85	8.7	.032
85+	6.6	–

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[1] Hispanic numbers are not included in total sum.

[2] Life expectancy is computed for the age at the beginning of each age interval.

Table 20 (continued). Deaths in Washington State by Selected Topics, 1990

E. Residents, Leading Causes of Death

Rank		Causes of Death with International List Numbers	Number	Percent[1]
	All Causes		36,899	100.0%
1	Diseases of the Heart	391-392.0,393-398,402, 404, 410-417, 420-429	11,171	30.3
2	Malignant Neoplasms	140-208,230-234	8,968	24.3
3	Cerebrovascular Disease	430-438	2,715	7.4
4	Chronic Obstructive Pulmonary Diseases	490-496	1,937	5.2
5	All Accidents	E800-949	1,762	4.8
6	Influenza and Pneumonia	480-487	1,403	3.8
7	Diabetes Mellitus	250	767	2.1
8	Suicide	E950-959	673	1.8
9	Diseases of the Arteries Except Arteriosclerotic	441-444,446-448	473	1.3
10	Arteriosclerosis	440	440	1.2
	All Other Causes		6,590	17.9

F. Residence and Occurrence, Month of Death

Month	Residence	Occurrence
Total	36,899	37,098
January	3,461	3,439
February	3,105	3,106
March	3,271	3,263
April	2,904	2,935
May	3,020	3,046
June	3,006	3,018
July	3,082	3,111
August	2,925	2,958
September	2,909	2,938
October	3,029	3,049
November	2,901	2,925
December	3,286	3,310

G. Residents, Marital Status by Sex

	Total	Male	Female
Total	36,899	19,120	17,779
Single	3,830	2,541	1,289
Married	16,026	11,032	4,994
Divorced	3,927	2,287	1,640
Widowed	12,981	3,153	9,828
Unknown	135	107	28

H. Occurrence, Type of Place

Total	37,098
General Hospital	15,475
Nursing Home	10,177
Home	8,707
Federal Facility	843
Psychiatric Hospital	31
State Facility	1
Dead on Arrival	19
Other and Unknown	1,845

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[1] Detail may not add to 100% due to rounding.

Table 21. Deaths with Rates[1] and Percent[2] by Age Group and Sex by Leading Causes, Washington State Residents 1990

Age Group with Causes	International List Number	Total			Male			Female		
		Number	Rate	Percent[3]	Number	Rate	Percent[3]	Number	Rate	Percent[3]
All Ages										
All Causes		36,899	758.2	100.0	19,120	792.1	100.0	17,779	724.8	100.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	11,171	229.5	30.3	5,774	239.2	30.2	5,397	220.0	30.4
Malignant Neoplasms	140-208,230-234	8,968	184.3	24.3	4,734	196.1	24.8	4,234	172.6	23.8
Cerebrovascular Disease	430-438	2,715	55.8	7.4	1,084	44.9	5.7	1,631	66.5	9.2
Chronic Obstructive Pulmonary Diseases	490-496	1,937	39.8	5.2	1,042	43.2	5.5	895	36.5	5.0
All Accidents	E800-949	1,762	36.2	4.8	1,225	50.8	6.4	537	21.9	3.0
Influenza and Pneumonia	480-487	1,403	28.8	3.8	581	24.1	3.0	822	33.5	4.6
Diabetes Mellitus	250	767	15.8	2.1	342	14.2	1.8	425	17.3	2.4
Suicide	E950-959	673	13.8	1.8	534	22.1	2.8	139	5.7	.8
Diseases of the Arteries Except Arteriosclerotic	441-444,446-448	473	9.7	1.3	273	11.3	1.4	200	8.2	1.1
Arteriosclerosis	440	440	9.0	1.2	171	7.1	.9	269	11.0	1.5
All Other Causes		6,590	135.4	17.9	3,360	139.2	17.6	3,230	131.7	18.2
Under 1										
All Causes		620	823.1	100.0	331	859.1	100.0	289	785.5	100.0
Sudden Infant Death Syndrome	7980	185	245.6	29.8	91	236.2	27.5	94	255.5	32.5
Certain Causes Mortality in Early Infancy	760-762,764-766, 770-779	155	205.8	24.8	85	220.6	25.4	70	190.3	24.2
Congenital Anomalies	740-759	152	201.8	24.5	85	220.6	25.7	67	182.1	23.2
Birth Injury, etc.	763,767-769	38	50.5	6.1	21	54.5	6.3	17	46.2	5.9
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	13	17.3	2.1	8	20.8	2.4	5	13.6	1.7
All Other Causes		77	102.2	12.6	41	106.4	12.7	36	97.8	12.5
1 - 4										
All Causes		123	42.2	100.0	63	42.2	100.0	60	42.2	100.0
All Accidents	E800-949	46	15.8	37.4	24	16.1	38.1	22	15.5	36.7
Congenital Anomalies	740-759	19	6.5	15.4	11	7.4	17.5	8	5.6	13.3
Malignant Neoplasms	140-208,230-234	10	3.4	8.1	4	2.7	6.3	6	4.2	10.0
Septicemia	038	3	1.0	2.4	1	.7	1.6	2	1.4	3.3
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	3	1.0	2.4				3	2.1	5.0
All Other Causes		42	14.4	34.1	23	15.4	36.5	19	13.4	31.7
5 - 14										
All Causes		155	21.9	100.0	97	26.7	100.0	58	16.8	100.0
All Accidents	E800-949	63	8.9	40.6	40	11.0	41.2	23	6.7	39.7
Malignant Neoplasms	140-208,230-234	24	3.4	15.5	14	3.9	14.4	10	2.9	17.2
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	10	1.4	6.5	6	1.7	6.2	4	1.2	6.9
Congenital Anomalies	740-759	7	1.0	4.5	6	1.7	6.2	1	.3	1.7
Undetermined External Injuries	E980-989	7	1.0	4.5	4	1.1	4.1	3	.9	5.2
All Other Causes		44	6.2	28.4	27	7.4	27.8	17	4.9	29.3
15 - 19										
All Causes		260	80.6	100.0	189	114.0	100.0	71	45.3	100.0
All Accidents	E800-949	149	46.2	57.3	104	62.7	55.0	45	28.7	63.4
Suicide	E950-959	41	12.7	15.8	34	20.5	18.0	7	4.5	9.9
Homicide	E960-969	18	5.6	6.9	16	9.6	8.5	2	1.3	2.8
Malignant Neoplasms	140-208,230-234	11	3.4	4.2	10	6.0	5.3	1	.6	1.4
Congenital Anomalies	740-759	6	1.9	2.3	4	2.4	2.1	2	1.3	2.8
All Other Causes		35	10.8	13.5	21	12.7	11.1	14	8.9	19.7
20 - 24										
All Causes		362	102.9	100.0	282	155.4	100.0	80	47.0	100.0
All Accidents	E800-949	187	53.2	51.7	156	86.0	55.3	31	18.2	38.8
Suicide	E950-959	59	16.8	16.3	46	25.4	16.3	13	7.6	16.3
Homicide	E960-969	43	12.2	11.9	31	17.1	11.0	12	7.0	15.0
Malignant Neoplasms	140-208,230-234	23	6.5	6.4	13	7.2	4.6	10	5.9	12.5
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	7	2.0	1.9	6	3.3	2.1	1	.6	1.3
All Other Causes		43	12.2	11.9	30	16.5	10.6	13	7.6	16.3
25 - 34										
All Causes		961	112.4	100.0	708	164.0	100.0	253	59.7	100.0
All Accidents	E800-949	335	39.2	34.9	263	60.9	37.1	72	17.0	28.5
Suicide	E950-959	136	15.9	14.2	114	26.4	16.1	22	5.2	8.7
Human Immunodeficiency Virus	042-044	115	13.4	12.0	105	24.3	14.8	10	2.4	4.0
Malignant Neoplasms	140-208,230-234	91	10.6	9.5	42	9.7	5.9	49	11.6	19.4
Homicide	E960-969	70	8.2	7.3	55	12.7	7.8	15	3.5	5.9
All Other Causes		214	25.0	22.3	129	29.9	18.2	85	20.1	33.6

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Table 21 (continued). Deaths with Rates[1] and Percent[2] by Age Group and Sex by Leading Causes. Washington State Residents 1990

Age Group with Causes	International List Number	Total			Male			Female		
		Number	Rate	Percent[3]	Number	Rate	Percent[3]	Number	Rate	Percent[3]
35 - 44										
All Causes		1,466	182.4	100.0	1,020	253.3	100.0	446	111.2	100.0
Malignant Neoplasms	140-208,230-234	318	39.6	21.7	145	36.0	14.2	173	43.1	38.8
All Accidents	E800-949	256	31.8	17.4	205	50.9	20.0	51	12.7	11.4
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	164	20.4	11.2	125	31.0	12.3	39	9.7	8.7
Human Immunodeficiency Virus	042-044	155	19.3	10.6	153	38.0	15.0	2	.5	.4
Suicide	E950-959	141	17.5	9.6	110	27.3	10.8	31	7.7	7.0
All Other Causes		432	53.7	29.5	282	70.0	27.7	150	37.4	33.6
45 - 54										
All Causes		1,898	378.4	100.0	1,194	471.3	100.0	704	283.6	100.0
Malignant Neoplasms	140-208,230-234	671	133.8	35.4	330	130.3	27.6	341	137.4	48.4
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	446	88.9	23.5	338	133.4	28.3	108	43.5	15.3
All Accidents	E800-949	145	28.9	7.6	106	41.8	8.9	39	15.7	5.5
Cerebrovascular Disease	430-438	80	16.0	4.2	38	15.0	3.2	42	16.9	6.0
Suicide	E950-959	78	15.6	4.1	57	22.5	4.8	21	8.5	3.0
All Other Causes		478	95.3	25.2	325	128.3	27.2	153	61.6	21.7
55 - 64										
All Causes		3,884	1019.5	100.0	2,359	1274.4	100.0	1,525	778.6	100.0
Malignant Neoplasms	140-208,230-234	1,532	402.1	39.4	840	453.8	35.6	692	353.3	45.4
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	1,101	289.0	28.3	791	427.3	33.5	310	158.3	20.3
Chronic Obstructive Pulmonary Diseases	490-496	233	61.1	6.0	120	64.8	5.1	113	57.7	7.4
Cerebrovascular Disease	430-438	135	35.4	3.5	73	39.4	3.1	62	31.7	4.1
All Accidents	E800-949	115	30.2	3.0	82	44.3	3.5	33	16.8	2.2
All Other Causes		768	201.6	19.8	453	244.7	19.2	315	160.8	20.7
65 - 74										
All Causes		8,133	2420.3	100.0	4,717	3076.1	100.0	3,416	1869.9	100.0
Malignant Neoplasms	140-208,230-234	2,953	878.3	36.3	1,657	1080.6	35.1	1,296	709.5	37.9
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	2,364	703.5	29.1	1,523	993.2	32.3	841	460.4	24.6
Chronic Obstructive Pulmonary Diseases	490-496	623	185.4	7.7	344	224.3	7.3	279	152.7	8.2
Cerebrovascular Disease	430-438	431	128.3	5.3	231	150.6	4.9	200	109.5	5.9
Diabetes Mellitus	250	194	57.7	2.4	79	51.5	1.7	115	62.9	3.4
All Other Causes		1,568	466.6	19.3	883	575.8	18.7	685	375.0	20.1
75 - 84										
All Causes		10,447	5710.2	100.0	5,307	7290.1	100.0	5,140	4686.1	100.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	3,643	1991.2	34.9	1,914	2629.2	36.1	1,729	1569.6	33.6
Malignant Neoplasms	140-208,230-234	2,401	1312.4	23.0	1,266	1739.1	23.9	1,135	1030.4	22.1
Cerebrovascular Disease	430-438	923	504.5	8.8	402	552.2	7.6	521	473.0	10.1
Chronic Obstructive Pulmonary Diseases	490-496	712	389.2	6.8	373	512.4	7.0	339	307.8	6.6
Influenza and Pneumonia	480-487	445	243.2	4.3	210	288.5	4.0	235	213.3	4.6
All Other Causes		2,323	1269.7	22.2	1,142	1568.7	21.5	1,181	1072.1	23.0
85 and Over										
All Causes		8,586	15250.2	100.0	2,850	17629.2	100.0	5,736	14287.8	100.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	3,372	5989.2	39.3	1,027	6357.2	36.0	2,345	5841.2	40.9
Cerebrovascular Disease	430-438	1,088	1932.5	12.7	307	1900.3	10.8	781	1945.4	13.6
Malignant Neoplasms	140-208,230-234	932	1655.4	10.9	412	2550.3	14.5	520	1295.3	9.1
Influenza and Pneumonia	480-487	680	1207.8	7.9	223	1380.4	7.8	457	1138.3	8.0
Chronic Obstructive Pulmonary Diseases	490-496	296	525.8	3.4	163	1009.0	5.7	133	331.3	2.3
All Other Causes		2,218	3939.5	25.8	718	4444.4	25.2	1,500	3736.4	26.1
Age Unknown										
All Causes		4		100.0	3		100.0	1		100.0
Undetermined External Injuries	E980-989	1		25.0	1		33.3			
Homicide	E960-969	1		25.0				1		100.0
Chronic Obstructive Pulmonary Diseases	490-496	1		25.0	1		33.3			
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	1		25.0	1		33.3			

[1] Rate per 100,000 population in each age - sex group.
[2] Percent of total deaths in each age - sex group.
[3] Detail may not add up to 100 percent due to rounding.

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Table 22. Deaths with Rates[1] by Selected Causes by Sex, Washington State Residents 1990

Cause with International List Number	Total		Male		Female	
	Number	Rate	Number	Rate	Number	Rate
Total All Causes	[36,899]	[758.2]	[19,120]	[792.1]	[17,779]	[724.8]
Infectious and Parasitic Diseases	[769]	[15.8]	[525]	[21.8]	[244]	[9.9]
Tuberculosis (010-018, 137)	19	.4	12	.5	7	.3
Septicemia (038)	233	4.8	103	4.3	130	5.3
Human Immunodeficiency Virus (042-044)	339	7.0	322	13.3	17	.7
Other (000-139)	178	3.7	88	3.6	90	3.7
Neoplasms	[9,055]	[186.1]	[4,773]	[197.7]	[4,282]	[174.6]
Malignant Neoplasms (140-208,230-234)	8,968	184.3	4,734	196.1	4,234	172.6
Benign and Unspecified Neoplasms (210-229,235-239)	87	1.8	39	1.6	48	2.0
Endocrine, Nutritional, Metabolic Diseases, and Immunity Disorders	[1,029]	[21.1]	[446]	[18.5]	[583]	[23.8]
Diabetes Mellitus (250)	767	15.8	342	14.2	425	17.3
Nutritional Deficiencies (260-269)	54	1.1	17	.7	37	1.5
Other (240-279)	208	4.3	87	3.6	121	4.9
Diseases of Blood and Blood-Forming Organs	[148]	[3.0]	[79]	[3.3]	[69]	[2.8]
Anemia (280-285)	51	1.0	25	1.0	26	1.1
Other (286-289)	97	2.0	54	2.2	43	1.8
Mental Disorders	[676]	[13.9]	[283]	[11.7]	[393]	[16.0]
Alcohol-Related (291,303,305)	130	2.7	90	3.7	40	1.6
Other (290-319)	546	11.2	193	8.0	353	14.4
Diseases of the Nervous System and Sense Organs	[989]	[20.3]	[465]	[19.3]	[524]	[21.4]
Parkinson's Disease (332)	170	3.5	92	3.8	78	3.2
Amyotrophic Lateral Sclerosis (335.2)	97	2.0	48	2.0	49	2.0
Other Hereditary and Degenerative Diseases of the Central Nervous System (330-337)	470	9.7	179	7.4	291	11.9
Multiple Sclerosis (340)	50	1.0	24	1.0	26	1.1
Other (320-326,340-389)	202	4.2	122	5.1	80	3.3
Diseases of the Circulatory System	[15,031]	[308.9]	[7,399]	[306.5]	[7,632]	[311.1]
Diseases of the Heart (391-392.0,393-398,402,404,, 410-417,420-429)						
Chronic Rheumatic Heart Disease (391-392.0,393-398)	124	2.5	35	1.5	89	3.6
Hypertensive Heart Disease (402)	277	5.7	99	4.1	178	7.3
Hypertensive Heart and Renal Disease (404)	47	1.0	23	1.0	24	1.0
Acute Ischemic Heart Disease (410,411)	3,270	67.2	1,829	75.8	1,441	58.7
Chronic Ischemic Heart Disease (412-414)	3,728	76.6	1,979	82.0	1,749	71.3
Other Heart Disease (415-417,420-429)	3,725	76.5	1,809	74.9	1,916	78.1
Hypertensive Disease (401-403)	175	3.6	69	2.9	106	4.3
Cerebrovascular Disease (430-438)	2,715	55.8	1,084	44.9	1,631	66.5
Arteriosclerosis (440)	440	9.0	171	7.1	269	11.0
Other (390-459)	530	10.9	301	12.5	229	9.3
Diseases of the Respiratory System	[3,750]	[77.1]	[1,833]	[75.9]	[1,917]	[78.2]
Chronic and Unqualified Bronchitis (490-491)	66	1.4	35	1.5	31	1.3
Emphysema (492)	348	7.2	198	8.2	150	6.1
Asthma (493)	119	2.4	43	1.8	76	3.1
Other Chronic Obstructive Pulmonary Diseases (494-496)	1,404	28.8	766	31.7	638	26.0
Pneumonia (480-486)	1,342	27.6	562	23.3	780	31.8
Influenza (488)	61	1.3	19	.8	42	1.7
Other (460-478,500-519)	410	8.4	210	8.7	200	8.2

[1] Rates per 100,000 population.

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Table 22 (continued). Deaths with Rates[1] by Selected Causes by Sex, Washington State Residents 1990

Cause with International List Number	Total		Male		Female	
	Number	Rate	Number	Rate	Number	Rate
Diseases of the Digestive System	[1,287]	[26.4]	[628]	[26.0]	[659]	[26.9]
Ulcer of Stomach and Duodenum (531-533)	118	2.4	59	2.4	59	2.4
Hernia and Intestinal Obstruction (550-553,560)	100	2.1	43	1.8	57	2.3
Cirrhosis of the Liver (571)	411	8.4	261	10.8	150	6.1
Cholelithiasis, Cholecystitis, and Cholangitis (574-576)	55	1.1	19	.8	36	1.5
Other (520-579)	603	12.4	246	10.2	357	14.6
Diseases of the Genitourinary System	[401]	[8.2]	[179]	[7.4]	[222]	[9.1]
Nephritis, Nephrotic Syndrome, and Nephrosis (580-589)	175	3.6	82	3.4	93	3.8
Other (590-629)	226	4.6	97	4.0	129	5.3
Complications of Pregnancy, Childbirth, and the Puerperium (630-676)	[4]	[.1]			[4]	[.2]
Diseases of the Skin and Subcutaneous Tissue (680-709)	[32]	[.7]	[8]	[.3]	[24]	[1.0]
Diseases of the Musculoskeletal System and Connective Tissue (710-739)	[131]	[2.7]	[34]	[1.4]	[97]	[4.0]
Congenital Anomalies (740-759)	[246]	[5.1]	[143]	[5.9]	[103]	[4.2]
Birth Injuries, Difficult Labor, and Other Anoxic and Hypoxic Conditions (763,767-769)	[38]	[.8]	[21]	[.9]	[17]	[.7]
Other Causes of Mortality in Early Infancy (760-762,764-766,770-779)	[156]	[3.2]	[86]	[3.6]	[70]	[2.9]
Symptoms, Signs, and Other Ill-Defined Conditions	[357]	[7.3]	[187]	[7.7]	[170]	[6.9]
Sudden Infant Death Syndrome (798.0-798.1)	~~191~~	3.9	95	3.9	96	3.9
Other (780-799)	166	3.4	92	3.8	74	3.0
Accidents	[1,762]	[36.2]	[1,225]	[50.8]	[537]	[21.9]
Motor Vehicle (E810-825,E9290)	913	18.8	650	26.9	263	10.7
Water Transport (E830-838)	43	.9	38	1.6	5	.2
Air and Space Transport (E840-845)	24	.5	22	.9	2	.1
Accidental Poisoning (E850-869,E9292)	108	2.2	70	2.9	38	1.5
Falls (E880-888, E9293)	271	5.6	150	6.2	121	4.9
Fire (E890-899,E9294)	62	1.3	43	1.8	19	.8
Accidental Drowning (E910)	90	1.8	68	2.8	22	.9
Other (E800-949)	251	5.2	184	7.6	67	2.7
Suicide	[673]	[13.8]	[534]	[22.1]	[139]	[5.7]
Firearms and Explosives (E955)	377	7.7	316	13.1	61	2.5
Other (E950-954,E956-959)	296	6.1	218	9.0	78	3.2
Homicide	[244]	[5.0]	[183]	[7.6]	[61]	[2.5]
Firearms and Explosives (E965)	139	2.9	117	4.8	22	.9
Other (E960-964,E966-969)	105	2.2	66	2.7	39	1.6
Legal Intervention (E979-978)	[4]	[.1]	[3]	[.1]	[1]	]
Undetermined External Injuries (E980-989)	[117]	[2.4]	[86]	[3.6]	[31]	[1.3]
Injury Resulting From Operations of War (E990-999)						

[1] Rates per 100,000 population.

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Table 23. Deaths Due to Malignant Neoplasm by Primary Site with Rates[1] by Sex, Washington State Residents 1990

Cause with International List Number	Total[2]		Male		Female	
	Number	Rate	Number	Rate	Number	Rate
Total All Causes	[8,968]	[184.3]	[4,734]	[196.1]	[4,234]	[172.6]
Lip, Oral Cavity, and Pharynx (140-149)	[138]	[2.8]	[96]	[4.0]	[42]	[1.7]
Digestive Organs and Peritoneum (150-159)	[2,090]	[42.9]	[1,134]	[47.0]	[956]	[39.0]
Esophagus (150)	190	3.9	140	5.8	50	2.0
Stomach (151)	238	4.9	157	6.5	81	3.3
Small Intestine, including Duodenum (152)	22	.5	9	.4	13	.5
Colon (153)	738	15.2	384	15.9	354	14.4
Rectum (154)	138	2.8	75	3.1	63	2.6
Liver and Intrahepatic Ducts (155)	151	3.1	85	3.5	66	2.7
Gallbladder and Extrahepatic Bile Ducts (156)	53	1.1	17	.7	36	1.5
Pancreas (157)	495	10.2	240	9.9	255	10.4
Retroperitoneum and Peritoneum (158)	17	.3	7	.3	10	.4
Other and Ill-defined Sites (159)	48	1.0	20	.8	28	1.1
Respiratory and Intrathoracic Organs (160-165)	[2,737]	[56.2]	[1,657]	[68.6]	[1,080]	[44.0]
Lung (162)	2,641	54.3	1,588	65.8	1,053	42.9
Other and Ill-defined Sites (160-161,163-165)	96	2.0	69	2.9	27	1.1
Bone, Connective Tissue, Skin and Breast (170-175)	[1,003]	[20.6]	[149]	[6.2]	[854]	[34.8]
Bone and Articular Cartilage (170)	25	.5	18	.7	7	.3
Connective Tissue and Other Soft Tissue (171)	67	1.4	30	1.2	37	1.5
Skin (172-173)	166	3.4	99	4.1	67	2.7
Breast (174,175)	745	15.3	2	.1	743	30.3
Genital Organs (179-187)	[1,041]	[21.4]	[584]	[24.2]	[457]	[18.6]
Urinary Organs (188-189)	[350]	[7.2]	[240]	[9.9]	[110]	[4.5]
Brain (191)	[275]	[5.7]	[155]	[6.4]	[120]	[4.9]
Other and Ill-defined Sites (190,192-199)	[441]	[9.1]	[211]	[8.7]	[230]	[9.4]
Lymphatic and Hematopoietic Tissue (200-208)	[893]	[18.3]	[508]	[21.0]	[385]	[15.7]
Lymphosarcoma (200)	82	1.7	52	2.2	30	1.2
Hodgkins Disease (201)	31	.6	18	.7	13	.5
Lymphoid and Histiocytic Tissue (202)	288	5.9	161	6.7	127	5.2
Multiple Myeloma and Immunoproliferative Tissue (203)	174	3.6	93	3.9	81	3.3
Lymphoid Leukemia (204)	111	2.3	65	2.7	46	1.9
Myeloid Leukemia (205)	167	3.4	97	4.0	70	2.9
Monocytic Leukemia (206)	9	.2	5	.2	4	.2
Other and Unspecified Leukemia (207-208)	31	.6	17	.7	14	.6

[1] Rates per 100,000 population.

[2] Group totals are shown in brackets.

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Table 24. Deaths by Non-Transport Causes by Place of Accident, Washington State Residents 1990

Cause of Death	Total	Home	Nursing Home	Agriculture	Industry	Prison	Public	Unknown
State Totals	755	339	46	23	36	1	196	114
Poisoning by Drugs, Medicaments and Biologicals (E850-E858)	100	61				1	20	18
Poisoning by Other Solid and Liquid Substances, Gases and Vapors (E860-E869)	9	6					2	1
Misadventures and Abnormal Reactions Due to Surgical and Medical Care (E870-E879)	29	1					6	22
Falls (E880-E888)	264	135	38	2	9		50	30
Falls on Stairs and Ladders (E880-E881)	23	15			3		4	1
Falls from One Level to Another (E882-E884)	58	27	4	2	5		20	
Falls on Same Level (E885-E886)	12	8	3				1	
Other and Unspecified Falls (E887-E888)	171	85	31		1		25	29
Fire (E890-E899)	62	55			3		4	
Natural and Environmental Factors (E900-E909)	18	5		2			9	2
Drowning, Excluding Submersion Following Boating Accidents (E910)	90	18		1	2		69	
Inhalation and Ingestion of Food or Other Object Causing Suffocation and Obstruction (E911-E912)	37	4	3	1	1		10	18
Mechanical Suffocation (E913)	26	18	3	1			1	3
Foreign Body Entering Other Orifice (E914-E915)	1							1
Struck By, Against or Between Objects (E916-E918)	34	13		7	5		8	1
Machinery (E919,E920)	29	4		8	10		7	
Explosion and Explosive Material (E921,E923)	1				1			
Firearms (E922)	11	9					2	
Hot Substance, Corrosive Liquid and Steam (E924)	3	3						
Electricity (E925)	8	4		1	3			
Other and Unspecified Non-Transport Accidents (E926-E949)	34	4	2		2		8	18

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Table 25. Deaths with Rates by Place of Residence and Occurrence, Washington State 1990

County and City	Residence		Occurrence	
	Number	Rate	Number	Rate
State Totals	36,899	7.6	37,098	7.6
Adams	106	7.8	92	6.8
Asotin	203	11.5	166	9.4
Benton	714	6.3	678	6.0
Kennewick	305	7.2	287	6.8
Richland	217	6.7	274	8.5
Chelan	549	10.5	674	12.9
Wenatchee	259	11.9	499	22.9
Clallam	638	11.3	611	10.8
Port Angeles	224	12.6	370	20.9
Clark	1,704	7.2	1,490	6.3
Vancouver	663	14.3	1,188	25.6
Columbia	47	11.7	37	9.2
Cowlitz	717	8.7	768	9.4
Kelso	105	8.9	49	4.1
Longview	351	11.1	641	20.3
Douglas	214	8.2	112	4.3
Ferry	45	7.1	36	5.7
Franklin	245	6.5	233	6.2
Pasco	167	8.2	222	10.9
Garfield	33	14.7	22	9.8
Grant	445	8.1	358	6.5
Moses Lake	123	10.9	193	17.2
Grays Harbor	715	11.1	621	9.7
Aberdeen	213	12.9	368	22.2
Island	400	6.6	330	5.5
Oak Harbor	88	5.1	80	4.7
Jefferson	204	10.1	156	7.7
King	10,751	7.1	11,739	7.8
Auburn	269	8.1	348	10.5
Bellevue	526	6.1	635	7.3
Bothell	91	7.6	103	8.6
Des Moines	195	11.3	252	14.6
Federal Way	290	4.3	309	4.6
Kent	219	5.8	137	3.6
Kirkland	268	6.7	505	12.6
Mercer Island	129	6.2	93	4.5
Redmond	185	5.2	258	7.2
Renton	299	7.2	651	15.6
Sea Tac	9	.4	13	.6
Seattle	5,140	10.0	7,847	15.2
Tukwila	20	1.7	29	2.4
Kitsap	1,350	7.1	1,213	6.4
Bremerton	402	10.5	801	21.0
Kittitas	204	7.6	201	7.5
Ellensburg	89	7.2	141	11.4
Klickitat	153	9.2	126	7.6
Lewis	620	10.4	586	9.9
Centralia	208	17.2	411	34.0
Lincoln	96	10.8	62	7.0
Mason	336	8.8	234	6.1
Okanogan	287	8.6	259	7.8
Pacific	259	13.7	200	10.6
Pend Oreille	80	9.0	62	7.0
Pierce	4,319	7.4	4,441	7.6
Puyallup	264	11.1	706	29.6
Tacoma	1,863	10.5	3,043	17.2
San Juan	78	7.8	51	5.1
Skagit	756	9.5	752	9.5
Anacortes	149	13.0	191	16.7
Mount Vernon	162	9.2	284	16.1
Skamania	53	6.4	33	4.0
Snohomish	2,845	6.1	2,533	5.4
Edmonds	293	9.5	471	15.3
Everett	673	9.6	1,025	14.7
Lynnwood	242	8.4	202	7.0
Marysville	131	12.7	146	14.1
Mountlake Terrace	94	4.9	39	2.0
Spokane	3,079	8.5	3,580	9.9
Spokane (city)	1,948	11.0	3,338	18.8
Stevens	273	8.8	216	7.0
Thurston	1,118	6.9	1,146	7.1
Lacey	204	10.6	185	9.6
Olympia	369	10.9	860	25.4
Wahkiakum	37	11.1	22	6.6
Walla Walla	466	9.6	571	11.8
Walla Walla (city)	307	11.6	517	19.5
Whatcom	965	7.6	984	7.7
Bellingham	514	9.9	772	14.8
Whitman	197	5.1	145	3.7
Pullman	46	2.0	47	2.0
Yakima	1,598	8.5	1,558	8.3
Sunnyside	69	6.1	109	9.7
Yakima (city)	624	11.4	1,131	20.6

[1] Rates per 100,000 population.

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Table 26. Deaths by Sex and Race by Place of Residence, Washington State 1990

County and City	Total	Male	Female	Unk	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unk	Hispanic[1]
State Totals	36,899	19,120	17,779		34,985	865	409	120	79	107	296	2	36	516
Adams	106	57	49		105		1							12
Asotin	203	104	99		202		1							1
Benton	714	367	347		709	1	2				2			23
Kennewick	305	159	146		304		1							10
Richland	217	101	116		214	1	1				1			1
Chelan	549	294	255		544		4				1			10
Wenatchee	259	136	123		256		2				1			5
Clallam	638	325	313		624		13				1			5
Port Angeles	224	113	111		221		3							
Clark	1,704	907	797		1,667	17	5		2	1	10		2	14
Vancouver	663	364	299		645	9	1		2		5		1	7
Columbia	47	28	19		47									
Cowlitz	717	370	347		711	2	2				2			4
Kelso	105	53	52		104						1			2
Longview	351	171	180		347	1	2				1			2
Douglas	214	115	99		212	1				1				6
Ferry	45	25	20		32		13							
Franklin	245	140	105		225	17	1	1			1			27
Pasco	167	92	75		149	17					1			17
Garfield	33	18	15		33									
Grant	445	211	234		427	11	5	2						22
Moses Lake	123	52	71		118	4	1							6
Grays Harbor	715	396	319		697	1	14	1			2			2
Aberdeen	213	106	107		208	1	3				1			1
Island	400	211	189		392	3		2	1	1	1			
Oak Harbor	88	41	47		87	1								
Jefferson	204	102	102		203		1							
King	10,751	5,462	5,289		9,766	500	89	92	67	78	152		7	123
Auburn	269	134	135		260		6	2					1	1
Bellevue	526	256	270		502	2		6	3	2	11			3
Bothell	91	42	49		91									
Des Moines	195	85	110		190	3	2							
Federal Way	290	158	132		269	4	5	1		2	9			6
Kent	219	106	113		210	7			1		1			6
Kirkland	268	99	169		263	1	2				2			2
Mercer Island	129	60	69		121	1		3	1		2		1	
Redmond	185	99	86		180	1		1	2		1			
Renton	299	146	153		283	9	1	1	1	3	1			2
Sea Tac	9	3	6		8						1			
Seattle	5,140	2,638	2,502		4,404	417	52	65	55	61	81		5	67
Tukwila	20	12	8		17	3								
Kitsap	1,350	661	689		1,293	22	14	3	1	3	11		3	6
Bremerton	402	174	228		383	12	3		1		3			3
Kittitas	204	118	86		202	1					1			
Ellensburg	89	36	53		88						1			
Klickitat	153	80	73		149		4							1
Lewis	620	323	297		613	2	4			1				4
Centralia	208	99	109		205	1	1			1				2
Lincoln	96	50	46		95		1							
Mason	336	185	151		328	1	6				1			
Okanogan	287	155	132		262		25							10
Pacific	259	141	118		256	1	1		1					1
Pend Oreille	80	44	36		78	1	1							
Pierce	4,319	2,298	2,021		3,981	207	38	7	1	12	71		2	36
Puyallup	264	118	146		262	1	1							1
Tacoma	1,863	958	905		1,652	142	21	3	1	7	35		2	19
San Juan	78	34	44		78									
Skagit	756	374	382		737	1	12				1	1	4	15
Anacortes	149	53	96		145		3					1		
Mount Vernon	162	77	85		158		1				1		2	6
Skamania	53	22	31		52								1	
Snohomish	2,845	1,518	1,327		2,790	14	15	1	3	3	15	1	3	22
Edmonds	293	151	142		290	1				1	1			5
Everett	673	349	324		659	3	1				8		2	2
Lynnwood	242	131	111		236	2			1	1	2			2
Marysville	131	73	58		130		1							
Mountlake Terrace	94	54	40		91	1	1					1		2
Spokane	3,079	1,538	1,541		3,007	29	19	9	2	1	5		7	17
Spokane (city)	1,948	941	1,007		1,890	24	16	7	2		4		5	11
Stevens	273	157	116		259	1	12				1			1
Thurston	1,118	571	547		1,080	10	10	1	1	1	10		5	18
Lacey	204	95	109		195	3	1				3		2	5
Olympia	369	185	184		357	3	3	1		1	3		1	2
Wahkiakum	37	14	23		37									2
Walla Walla	466	241	225		464	2								12
Walla Walla (city)	307	151	156		305	2								8
Whatcom	965	487	478		936	3	24				2			10
Bellingham	514	226	288		506	2	4				2			1
Whitman	197	102	95		190		3				3		1	
Pullman	46	19	27		41		1				3		1	
Yakima	1,598	875	723		1,502	17	69	1		5	3		1	112
Sunnyside	69	34	35		68	1								11
Yakima (city)	624	292	332		608	7	5				3		1	22

[1] Hispanic numbers are not included in total sum. Total number of Hispanic origin not stated is 24.

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Table 27. Deaths by Age Group by Place of Residence, Washington State 1990

County and City	Total	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over	Age Unknown
State Totals	36,899	620	123	155	260	362	961	1,466	1,898	3,884	8,133	10,447	8,586	4
Adams	106	4			1	1	3	4	5	11	24	25	28	
Asotin	203	5			3		2	5	16	18	37	62	55	
Benton	714	22	2	2	6	8	11	31	42	86	138	224	142	
Kennewick	305	12	1	1	3	2	4	12	18	37	42	107	66	
Richland	217	3			1	4	2	12	9	25	40	75	46	
Chelan	549	10	1	2	2	3	9	19	15	55	125	165	143	
Wenatchee	259	7	1	1		1	4	5	8	30	50	74	78	
Clallam	638	7	1	2	5	7	10	14	23	60	163	208	138	
Port Angeles	224	2			2	3	5	5	11	20	48	76	52	
Clark	1,704	22	7	10	16	15	28	86	75	180	388	506	371	
Vancouver	663	6	2	2	6	8	11	28	31	66	157	192	154	
Columbia	47				1		1	2	1	3	6	15	18	
Cowlitz	717	14	3	3	8	9	10	18	40	66	144	241	161	
Kelso	105	2	1		4	1	3	1	5	20	14	36	18	
Longview	351	5	2	2	2	7	4	7	16	20	66	127	93	
Douglas	214	3	1	1	2	3	9	7	8	25	45	54	56	
Ferry	45	3	2	2	1	1	4	1	2	2	5	13	9	
Franklin	245	8	1	1	2	4	10	15	6	34	60	65	39	
Pasco	167	6	1		1	3	7	9	4	23	39	42	32	
Garfield	33								1	1	11	10	10	
Grant	445	12	4	4	2	8	12	11	20	69	100	131	72	
Moses Lake	123	4	1	1	1	2	2	4	4	13	30	32	29	
Grays Harbor	715	7	2	1	1	6	25	27	35	88	164	208	151	
Aberdeen	213	1		1		1	5	8	10	30	45	62	50	
Island	400	6		3	2	5	4	14	18	40	114	109	85	
Oak Harbor	88	5			1	2	1		5	12	24	20	18	
Jefferson	204	1			1	1	4	7	11	17	56	54	52	
King	10,751	156	30	42	57	101	330	522	594	1,090	2,279	2,961	2,588	1
Auburn	269	2		2	2	3	3	9	14	31	59	74	70	
Bellevue	526	7	1	2	3	9	14	14	32	58	112	141	133	
Bothell	91						2	6	3	14	26	17	23	
Des Moines	195	2		1		1	6	2	8	9	26	46	94	
Federal Way	290	5		2	3	6	9	11	23	42	67	79	43	
Kent	219	12	2	4	2	3	8	7	15	30	44	52	40	
Kirkland	268	4	1	1	1	2	6	3	13	19	51	86	81	
Mercer Island	129	1			1		1	5	9	19	28	26	39	
Redmond	185	3		1	2	1	5	11	9	20	34	47	52	
Renton	299	7	1	2	1	3	11	11	5	25	65	95	73	
Sea Tac	9			1		1			1	2	1	2	1	
Seattle	5,140	58	12	12	16	37	168	279	234	448	1,056	1,497	1,323	
Tukwila	20	1					2	1	2	2	7	4	1	
Kitsap	1,350	24	5	5	15	17	31	61	67	167	300	363	295	
Bremerton	402	11	2	1	2	7	7	15	16	41	87	105	108	
Kittitas	204	2	1		1	1	6	4	12	21	46	58	50	2
Ellensburg	89						1	2	4	1	22	26	33	
Klickitat	153	2		1		2	4	5	9	13	35	51	31	
Lewis	620	8	2	2	7	1	13	18	31	52	139	192	155	
Centralia	208	6		1	1		3	3	8	11	37	69	69	
Lincoln	96	1					2	2	2	6	20	34	29	
Mason	336	7	1	1	3	2	4	9	20	34	90	79	86	
Okanogan	287	5		2	4	5	8	14	20	24	60	85	60	
Pacific	259	2		1			2	4	10	25	66	84	65	
Pend Oreille	80	3		1	1		1	4	7	8	13	17	25	
Pierce	4,319	98	22	21	34	61	148	165	265	519	1,013	1,116	857	
Puyallup	264	4		2	3	2	4	5	17	34	51	69	73	
Tacoma	1,863	33	9	9	10	25	53	80	99	200	409	491	445	
San Juan	78					1			3	3	20	27	24	
Skagit	756	10	3		4	9	12	19	31	74	168	234	192	
Anacortes	149	2					3	1	5	11	32	45	50	
Mount Vernon	162	3			1	2		5	5	15	42	46	43	
Skamania	53	1		1	1		1	1	3	6	14	15	10	
Snohomish	2,845	49	8	13	32	29	91	120	161	326	632	773	611	
Edmonds	293	3	1		1	2	5	8	18	29	67	78	81	
Everett	673	9		2	6	6	24	25	36	54	145	196	170	
Lynnwood	242	7			2	3	10	16	9	37	47	56	55	
Marysville	131	1			2	1	3	6	4	13	34	35	32	
Mountlake Terrace	94	3				2	2	3	7	17	24	23	13	
Spokane	3,079	37	8	9	16	20	67	110	120	310	668	903	810	1
Spokane (city)	1,948	23	5	3	3	9	42	68	69	185	417	583	540	1
Stevens	273	6		5	2	3	9	8	12	25	55	75	73	
Thurston	1,118	16	4	4	6	12	24	41	66	124	262	321	238	
Lacey	204	2			2	1		3	10	17	34	71	64	
Olympia	369	7	3	1	2	2	5	22	23	23	90	110	81	
Wahkiakum	37							1	1	4	10	8	13	
Walla Walla	466	6	2	1	1	3	8	22	12	40	82	140	149	
Walla Walla (city)	307	4			1	1	3	12	10	27	59	91	99	
Whatcom	965	14	4	6	4	9	18	24	43	68	217	278	280	
Bellingham	514	3	1	2		3	5	10	18	31	115	149	177	
Whitman	197	5			1	2	3	5	8	21	29	61	62	
Pullman	46	2				1	2	2	3	4	9	9	14	
Yakima	1,598	44	9	9	18	13	37	46	83	169	335	482	353	
Sunnyside	69	2	2			1	1	2	1	8	13	21	18	
Yakima (city)	624	20	2	3	4	3	11	16	33	45	119	209	159	

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Table 28. Deaths by Month of Occurrence by Place of Residence, Washington State 1990

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
State Totals	36,899	3,461	3,105	3,271	2,904	3,020	3,006	3,082	2,925	2,909	3,029	2,901	3,286
Adams	106	11	5	8	8	6	13	18	8	7	6	7	9
Asotin	203	26	8	15	14	19	19	15	20	10	21	21	15
Benton	714	56	53	72	57	54	55	57	57	63	43	57	90
Kennewick	305	24	17	29	21	23	29	29	26	26	22	21	38
Richland	217	19	19	26	18	14	15	11	12	22	11	24	26
Chelan	549	48	50	50	45	49	50	38	32	53	52	32	50
Wenatchee	259	22	25	25	20	21	22	16	16	24	25	20	23
Clallam	638	57	64	69	55	49	56	58	43	45	43	55	44
Port Angeles	224	19	22	25	17	18	24	19	19	9	16	19	17
Clark	1,704	168	123	144	144	142	129	158	154	149	124	127	142
Vancouver	663	79	54	57	51	53	46	58	50	60	52	48	55
Columbia	47	9	7	1	4	3	3	1	4	1	3	3	8
Cowlitz	717	66	92	59	40	62	55	55	62	52	51	51	72
Kelso	105	4	15	7	7	13	8	10	6	8	6	11	10
Longview	351	38	40	28	22	31	24	30	33	23	24	20	38
Douglas	214	24	20	18	15	20	13	16	23	14	13	23	15
Ferry	45	4	2	4	4	4	8	3	3	8	1	1	3
Franklin	245	17	22	23	16	23	14	22	15	23	23	19	28
Pasco	167	11	16	15	14	14	9	18	8	16	12	16	18
Garfield	33	1	1	7	4	9		4	3		3		1
Grant	445	41	37	42	36	33	37	36	35	35	45	31	37
Moses Lake	123	18	7	11	10	6	13	9	9	8	11	11	10
Grays Harbor	715	72	51	61	53	61	60	60	49	61	68	57	62
Aberdeen	213	19	16	20	15	17	19	19	19	15	18	14	22
Island	400	36	31	30	33	34	34	35	41	27	33	36	30
Oak Harbor	88	6	6	3	10	5	6	9	7	6	10	11	9
Jefferson	204	27	17	13	15	13	10	16	15	16	21	26	15
King	10,751	960	934	988	853	867	911	896	831	808	914	811	978
Auburn	269	21	29	22	28	20	26	27	17	20	16	17	26
Bellevue	526	50	52	39	42	45	44	50	47	34	46	35	42
Bothell	91	6	2	7	7	10	4	12	12	11	8	5	7
Des Moines	195	17	25	21	21	14	16	12	7	17	15	17	13
Federal Way	290	28	26	26	21	16	24	28	21	22	30	28	20
Kent	219	35	24	19	15	19	12	10	18	10	16	16	25
Kirkland	268	25	28	32	18	29	23	22	15	23	22	18	13
Mercer Island	129	4	16	10	9	13	11	10	10	15	11	9	11
Redmond	185	17	16	18	19	9	15	17	13	13	15	13	20
Renton	299	32	17	30	31	22	30	31	21	26	22	20	17
Sea Tac	9		1	1		1	1	2	1	1		1	
Seattle	5,140	476	450	472	377	415	436	395	412	393	440	390	484
Tukwila	20		2		3		1			3	6	3	2
Kitsap	1,350	144	119	106	107	112	98	113	97	114	89	108	143
Bremerton	402	45	36	28	31	31	26	33	28	27	35	31	51
Kittitas	204	18	18	19	17	11	22	14	18	14	22	18	13
Ellensburg	89	12	6	4	7	3	10	3	8	7	14	10	5
Klickitat	153	15	24	16	9	9	13	10	12	14	15	6	10
Lewis	620	54	58	63	49	57	48	49	49	47	40	60	46
Centralia	208	17	22	26	14	15	14	13	17	17	13	21	19
Lincoln	96	10	7	9	9	9	11	8	11	4	3	9	6
Mason	336	31	28	25	30	19	31	26	28	27	23	31	37
Okanogan	287	24	25	24	22	30	26	20	21	20	21	20	34
Pacific	259	25	27	22	25	20	22	20	17	19	20	23	19
Pend Oreille	80	9	7	6	2	11	7	8	6	4	8	6	6
Pierce	4,319	423	363	392	305	363	339	372	338	363	339	336	386
Puyallup	264	25	22	19	22	27	23	25	24	21	17	20	19
Tacoma	1,863	179	159	171	144	155	134	177	139	143	152	135	175
San Juan	78	6	7	3	4	12	9	7	5	5	5	8	7
Skagit	756	57	60	66	76	64	65	66	54	61	68	55	64
Anacortes	149	9	9	12	18	14	11	9	16	7	9	15	20
Mount Vernon	162	11	9	12	13	15	16	20	7	16	18	13	12
Skamania	53	2	3	9	5	4	2	5	5	5	6	4	3
Snohomish	2,845	259	219	242	217	244	222	261	240	230	232	234	245
Edmonds	293	21	20	23	19	28	22	30	22	26	30	28	24
Everett	673	52	46	57	50	66	41	82	61	55	48	60	55
Lynnwood	242	22	16	23	20	19	19	14	23	23	21	19	23
Marysville	131	12	13	10	12	13	5	8	7	13	12	12	14
Mountlake Terrace	94	10	12	9	7	8	6	9	8	6	8	6	5
Spokane	3,079	312	244	252	238	236	288	224	227	265	280	249	264
Spokane (city)	1,948	209	151	145	146	153	180	124	142	168	185	167	178
Stevens	273	26	21	24	30	18	18	21	26	16	22	27	24
Thurston	1,118	99	86	92	90	104	87	97	91	75	104	82	111
Lacey	204	18	14	9	20	17	15	17	22	14	19	17	22
Olympia	369	34	34	29	35	31	27	25	30	22	29	28	45
Wahkiakum	37	4	3		4	5	3	1	6	3	3	3	2
Walla Walla	466	56	37	39	37	31	39	42	45	30	39	27	44
Walla Walla (city)	307	45	25	19	23	21	25	30	30	21	25	17	26
Whatcom	965	89	92	80	74	85	54	81	85	83	75	91	76
Bellingham	514	54	56	41	41	49	29	30	36	47	39	52	40
Whitman	197	23	13	17	20	18	17	10	15	15	16	20	13
Pullman	46	2	4	6	4	5	3	2	2	8	4	2	4
Yakima	1,598	152	127	161	138	110	118	139	134	123	135	127	134
Sunnyside	69	10	10	7	5	5	4	6	2	5	6	2	7
Yakima (city)	624	55	51	64	50	39	40	55	67	47	56	51	49

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Table 29. Deaths by Selected Disease Conditions with Rates[1] by Place of Residence, Washington State 1990

County and City	Infectious and Parasitic Diseases		Diabetes Mellitus		Alcoholism		Diseases of the Heart		Cerebrovascular Disease	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Totals	770	15.8	767	15.8	87	1.8	11,171	229.5	2,715	55.8
Adams	1	7.4	1	7.4			32	235.2	8	58.8
Asotin							41	232.9	18	102.2
Benton	9	8.0	14	12.4	3	2.7	244	216.8	51	45.3
Kennewick	3	7.1	9	21.3	2	4.7	109	258.6	20	47.4
Richland	2	6.2	2	6.2	1	3.1	72	222.8	22	68.1
Chelan	8	15.3	15	28.7	1	1.9	163	312.0	37	70.8
Wenatchee	5	23.0	7	32.2			76	349.3	13	59.8
Clallam	12	21.3	7	12.4	2	3.5	202	357.8	50	88.6
Port Angeles	6	33.9	6	33.9			82	463.0	18	101.6
Clark	29	12.2	28	11.8	3	1.3	500	210.0	106	44.5
Vancouver	11	23.7	9	19.4	1	2.2	191	411.8	39	84.1
Columbia	1	24.9	1	24.9			19	472.2	7	174.0
Cowlitz	10	12.2	21	25.6			245	298.3	66	80.4
Kelso	1	8.5	3	25.4			32	270.7	12	101.5
Longview	7	22.2	9	28.6			125	396.8	32	101.6
Douglas	2	7.6	6	22.9			49	187.0	18	68.7
Ferry			1	15.9			8	127.1	4	63.5
Franklin	5	13.3	6	16.0			70	186.8	20	53.4
Pasco	4	19.7	4	19.7			50	245.9	13	63.9
Garfield			1	44.5			12	533.8	2	89.0
Grant	9	16.4	8	14.6	2	3.7	133	242.9	27	49.3
Moses Lake	3	26.7	1	8.9			38	338.2	9	80.1
Grays Harbor	9	14.0	12	18.7	2	3.1	223	347.5	38	59.2
Aberdeen	3	18.1			1	6.0	57	344.1	16	96.6
Island	3	5.0	8	13.3	2	3.3	126	209.3	21	34.9
Oak Harbor			3	17.5			26	151.4	4	23.3
Jefferson			3	14.9			67	332.6	22	109.2
King	366	24.3	226	15.0	25	1.7	3,150	209.0	798	52.9
Auburn	3	9.1	5	15.1			68	205.4	22	66.5
Bellevue	15	17.3	10	11.5	1	1.2	156	179.6	29	33.4
Bothell	2	16.7	1	8.3			23	191.9	2	16.7
Des Moines	2	11.6	4	23.1	1	5.8	74	428.2	19	109.9
Federal Way	3	4.4	6	8.9	1	1.5	93	137.7	13	19.2
Kent	4	10.5	3	7.9			72	189.7	20	52.7
Kirkland	4	10.0	7	17.5	1	2.5	69	172.3	35	87.4
Mercer Island	2	9.6	2	9.6			33	158.5	9	43.2
Redmond	4	11.2	3	8.4			48	134.1	20	55.9
Renton	4	9.6	10	24.0	1	2.4	90	215.9	17	40.8
Sea Tac							2	8.8	3	13.2
Seattle	255	49.4	115	22.3	13	2.5	1,504	291.3	398	77.1
Tukwila							10	84.2	1	8.4
Kitsap	26	13.7	20	10.5	5	2.6	397	209.2	89	46.9
Bremerton	7	18.4	4	10.5			127	333.0	34	89.1
Kittitas	5	18.7	5	18.7			64	239.5	20	74.8
Ellensburg	1	8.1	2	16.2			32	258.9	10	80.9
Klickitat			2	12.0	1	6.0	42	252.8	12	72.2
Lewis	10	16.8	19	32.0	1	1.7	203	342.0	56	94.3
Centralia	5	41.3	4	33.1			77	636.3	19	157.0
Lincoln			4	45.1			21	236.9	12	135.4
Mason	5	13.0	5	13.0			115	299.9	18	46.9
Okanogan	4	12.0	5	15.0	3	9.0	85	254.9	21	63.0
Pacific	5	26.5	1	5.3	2	10.6	92	487.2	17	90.0
Pend Oreille							20	224.3	3	33.7
Pierce	73	12.5	91	15.5	17	2.9	1,274	217.3	312	53.2
Puyallup	5	20.9	9	37.7			94	393.7	13	54.5
Tacoma	43	24.3	46	26.0	13	7.4	551	311.9	167	94.5
San Juan			4	39.9			18	179.4	13	129.5
Skagit	12	15.1	15	18.9	2	2.5	230	289.1	69	86.7
Anacortes	2	17.5	3	26.2			48	419.2	12	104.8
Mount Vernon	3	17.0	2	11.3			48	272.0	18	102.0
Skamania			1	12.1			15	181.0	3	36.2
Snohomish	52	11.2	79	17.0	1	.2	859	184.5	220	47.2
Edmonds	2	6.5	6	19.5			96	312.3	21	68.3
Everett	12	17.2	19	27.2	1	1.4	215	307.3	64	91.5
Lynnwood	10	34.8	7	24.4			79	275.3	10	34.8
Marysville	1	9.7	2	19.4			45	435.7	13	125.9
Mountlake Terrace	4	20.7	4	20.7			28	144.9	3	15.5
Spokane	50	13.8	48	13.3	5	1.4	1,028	284.5	220	60.9
Spokane (city)	32	18.1	31	17.5	1	.6	654	369.1	140	79.0
Stevens	1	3.2	7	22.6			89	287.6	21	67.9
Thurston	21	13.0	31	19.2	4	2.5	324	200.9	74	45.9
Lacey	4	20.7	4	20.7	1	5.2	70	363.1	17	88.2
Olympia	8	23.6	10	29.6	3	8.9	98	289.6	34	100.5
Wahkiakum			1	30.1			13	390.7	5	150.3
Walla Walla	4	8.3	7	14.5	1	2.1	165	340.6	32	66.1
Walla Walla (city)	3	11.3	6	22.7			109	411.7	19	71.8
Whatcom	13	10.2	22	17.2	2	1.6	280	219.1	58	45.4
Bellingham	6	11.5	9	17.2			155	297.1	36	69.0
Whitman	3	7.7	2	5.2	1	2.6	67	172.8	21	54.2
Pullman	1	4.3					12	51.1	4	17.0
Yakima	22	11.7	40	21.2	2	1.1	486	257.4	126	66.7
Sunnyside	3	26.7	2	17.8			23	204.7	5	44.5
Yakima (city)	10	18.2	7	12.8	1	1.8	179	326.5	48	87.5

[1] Rates per 100,000 population.

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Table 30. Deaths with Rates[1] by Selected Disease Conditions by Place of Residence, Washington State 1990

County and City	General Arteriosclerosis		Influenza and Pneumonia		Chronic Obstructive Pulmonary Diseases		Cirrhosis of the Liver		Nephritis, Nephrotic Syndrome, Nephrosis	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Totals	440	9.0	1,403	28.8	1,937	39.8	411	8.4	175	3.6
Adams	2	14.7	4	29.4	4	29.4	1	7.4		
Asotin	4	22.7	11	62.5	15	85.2	1	5.7	6	34.1
Benton	6	5.3	15	13.3	31	27.5	6	5.3	5	4.4
Kennewick	2	4.7	7	16.6	17	40.3	1	2.4	4	9.5
Richland	1	3.1	4	12.4	6	18.6				
Chelan	4	7.7	25	47.8	35	67.0	7	13.4	3	5.7
Wenatchee	3	13.8	18	82.7	16	73.5	5	23.0	2	9.2
Clallam	8	14.2	26	46.0	35	62.0	6	10.6		
Port Angeles	5	28.2	4	22.6	15	84.7	2	11.3		
Clark	16	6.7	74	31.1	102	42.8	17	7.1	4	1.7
Vancouver	7	15.1	26	56.1	41	88.4	7	15.1	2	4.3
Columbia			1	24.9	6	149.1				
Cowlitz	2	2.4	14	17.0	39	47.5	2	2.4	2	2.4
Kelso			2	16.9	10	84.6	1	8.5		
Longview	2	6.3	7	22.2	15	47.6	1	3.2	2	6.3
Douglas	2	7.6	5	19.1	15	57.2	1	3.8		
Ferry			1	15.9	1	15.9				
Franklin	1	2.7	3	8.0	22	58.7	1	2.7	1	2.7
Pasco	1	4.9	2	9.8	17	83.6			1	4.9
Garfield			3	133.5	2	89.0				
Grant	3	5.5	13	23.7	25	45.7	5	9.1	2	3.7
Moses Lake	1	8.9	2	17.8	7	62.3	3	26.7		
Grays Harbor	8	12.5	37	57.7	36	56.1	9	14.0	8	12.5
Aberdeen	4	24.1	18	108.7	8	48.3	3	18.1	4	24.1
Island	3	5.0	18	29.9	18	29.9	4	6.6	1	1.7
Oak Harbor	1	5.8	4	23.3	5	29.1	1	5.8		
Jefferson	5	24.8	9	44.7	12	59.6	4	19.9	2	9.9
King	115	7.6	434	28.8	508	33.7	116	7.7	56	3.7
Auburn	2	6.0	23	69.5	19	57.4	2	6.0	5	15.1
Bellevue	7	8.1	13	15.0	29	33.4	8	9.2	4	4.6
Bothell	2	16.7	3	25.0	3	25.0	3	25.0	1	8.3
Des Moines	2	11.6	9	52.1	6	34.7	1	5.8	1	5.8
Federal Way	3	4.4	12	17.8	13	19.2	1	1.5	1	1.5
Kent	2	5.3	5	13.2	12	31.6	6	15.8		
Kirkland	1	2.5	11	27.5	13	32.5	2	5.0	2	5.0
Mercer Island	1	4.8	6	28.8	8	38.4			1	4.8
Redmond	4	11.2	9	25.1	6	16.8	1	2.8		
Renton	8	19.2	15	36.0	9	21.6	4	9.6	1	2.4
Sea Tac					2	8.8				
Seattle	45	8.7	200	38.7	238	46.1	58	11.2	26	5.0
Tukwila			1	8.4			1	8.4		
Kitsap	13	6.9	43	22.7	68	35.8	25	13.2	4	2.1
Bremerton	4	10.5	11	28.8	21	55.1	10	26.2	1	2.6
Kittitas	1	3.7	8	29.9	13	48.6	1	3.7		
Ellensburg			6	48.5	8	64.7				
Klickitat	4	24.1	14	84.3	10	60.2			1	6.0
Lewis	6	10.1	25	42.1	30	50.5	7	11.8	5	8.4
Centralia	1	8.3	13	107.4	10	82.6	1	8.3	4	33.1
Lincoln	1	11.3	3	33.8	5	56.4				
Mason	1	2.6	17	44.3	16	41.7	3	7.8	2	5.2
Okanogan	3	9.0	14	42.0	20	60.0	7	21.0		
Pacific	2	10.6	6	31.8	6	31.8	5	26.5	1	5.3
Pend Oreille			6	67.3	4	44.9			2	22.4
Pierce	76	13.0	145	24.7	241	41.1	58	9.9	22	3.8
Puyallup	7	29.3	6	25.1	13	54.5	2	8.4	1	4.2
Tacoma	43	24.3	60	34.0	95	53.8	27	15.3	13	7.4
San Juan	1	10.0	2	19.9	6	59.8				
Skagit	7	8.8	39	49.0	29	36.5	7	8.8	4	5.0
Anacortes			10	87.3	4	34.9			1	8.7
Mount Vernon	2	11.3	6	34.0	3	17.0	2	11.3	2	11.3
Skamania	3	36.2			2	24.1	1	12.1		
Snohomish	15	3.2	110	23.6	132	28.3	28	6.0	6	1.3
Edmonds			13	42.3	10	32.5	3	9.8	3	9.8
Everett	8	11.4	29	41.5	33	47.2	8	11.4		
Lynnwood	1	3.5	10	34.8	14	48.8			1	3.5
Marysville	1	9.7	6	58.1	6	58.1	2	19.4		
Mountlake Terrace			4	20.7	5	25.9	1	5.2		
Spokane	74	20.5	113	31.3	187	51.7	40	11.1	14	3.9
Spokane (city)	56	31.6	75	42.3	117	66.0	24	13.5	11	6.2
Stevens	1	3.2	11	35.5	16	51.7	4	12.9	1	3.2
Thurston	8	5.0	38	23.6	56	34.7	16	9.9	6	3.7
Lacey	1	5.2	8	41.5	8	41.5	3	15.6	1	5.2
Olympia	4	11.8	17	50.2	16	47.3	7	20.7	1	3.0
Wahkiakum			1	30.1						
Walla Walla	10	20.6	13	26.8	29	59.9	4	8.3	3	6.2
Walla Walla (city)	7	26.4	10	37.8	22	83.1	1	3.8	1	3.8
Whatcom	14	11.0	51	39.9	52	40.7	7	5.5	2	1.6
Bellingham	9	17.2	29	55.6	24	46.0	4	7.7	1	1.9
Whitman	2	5.2	10	25.8	12	30.9	3	7.7	3	7.7
Pullman	2	8.5	2	8.5	3	12.8	1	4.3	1	4.3
Yakima	19	10.1	41	21.7	97	51.4	15	7.9	9	4.8
Sunnyside	1	8.9			4	35.6				
Yakima (city)	9	16.4	27	49.2	46	83.9	3	5.5	4	7.3

[1] Rates per 100,000 population.

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Table 31. Deaths Due to Malignant Neoplasm by Primary Site with Rates[1] by Place of Residence, Washington State 1990

County and City	Malignant Neoplasms Total All Sites		Lip, Oral, Cavity and Pharynx		Digestive Organs and Peritoneum		Respiratory and Intrathoracic Organs		Genital Organs	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Totals	8,968	184.3	138	2.8	2,090	42.9	2,737	56.2	1,041	21.4
Adams	25	183.8			7	51.5	7	51.5	1	7.4
Asotin	54	306.7	1	5.7	14	79.5	11	62.5	6	34.1
Benton	183	162.6	1	.9	48	42.6	55	48.9	19	16.9
Kennewick	65	154.2	1	2.4	17	40.3	17	40.3	7	16.6
Richland	61	188.8			17	52.6	21	65.0	7	21.7
Chelan	104	199.0			17	32.5	40	76.6	10	19.1
Wenatchee	45	206.8			7	32.2	20	91.9	7	32.2
Clallam	163	288.7	2	3.5	41	72.6	50	88.6	15	26.6
Port Angeles	53	299.3			13	73.4	16	90.3	3	16.9
Clark	435	182.7	6	2.5	99	41.6	145	60.9	51	21.4
Vancouver	154	332.0	4	8.6	36	77.6	54	116.4	14	30.2
Columbia	3	74.6			1	24.9	1	24.9	1	24.9
Cowlitz	160	194.8	2	2.4	37	45.1	51	62.1	22	26.8
Kelso	19	160.7	1	8.5	6	50.8	6	50.8	1	8.5
Longview	82	260.3	1	3.2	20	63.5	24	76.2	13	41.3
Douglas	55	209.9	2	7.6	16	61.1	17	64.9	6	22.9
Ferry	6	95.3					4	63.5	1	15.9
Franklin	62	165.5			15	40.0	19	50.7	6	16.0
Pasco	40	196.7			10	49.2	13	63.9	5	24.6
Garfield	7	311.4			3	133.5	1	44.5		
Grant	110	200.9	2	3.7	23	42.0	33	60.3	17	31.0
Moses Lake	29	258.1			8	71.2	5	44.5	5	44.5
Grays Harbor	173	269.6	3	4.7	34	53.0	60	93.5	17	26.5
Aberdeen	54	326.0	1	6.0	13	78.5	16	96.6	3	18.1
Island	116	192.7	1	1.7	17	28.2	45	74.8	13	21.6
Oak Harbor	22	128.1			3	17.5	11	64.0	2	11.6
Jefferson	44	218.4			5	24.8	20	99.3	5	24.8
King	2,645	175.5	46	3.1	616	40.9	786	52.1	302	20.0
Auburn	73	22[illegible].5	1	3.0	13	39.3	25	75.5	8	24.2
Bellevue	147	169.2	1	1.2	43	49.5	33	38.0	15	17.3
Bothell	26	216.9					11	91.8	4	33.4
Des Moines	37	214.1			6	34.7	13	75.2	7	40.5
Federal Way	72	106.6			24	35.5	22	32.6	6	8.9
Kent	46	121.2			8	21.1	17	44.8	5	13.2
Kirkland	70	174.8			21	52.4	18	44.9	5	12.5
Mercer Island	37	177.7			3	14.4	8	38.4	6	28.8
Redmond	51	142.5	1	2.8	10	27.9	16	44.7	5	14.0
Renton	75	179.9	2	4.8	18	43.2	24	57.6	9	21.6
Sea Tac	1	4.4							1	4.4
Seattle	1,178	228.2	23	4.5	295	57.1	334	64.7	143	27.7
Tukwila	3	25.3					3	25.3		
Kitsap	351	185.0	3	1.6	82	43.2	127	66.9	35	18.4
Bremerton	88	230.7			20	52.4	31	81.3	7	18.4
Kittitas	45	168.4	1	3.7	15	56.1	13	48.6	6	22.5
Ellensburg	13	105.2			3	24.3	5	40.4	3	24.3
Klickitat	40	240.7	1	6.0	5	30.1	9	54.2	7	42.1
Lewis	140	235.9	2	3.4	30	50.5	47	79.2	16	27.0
Centralia	37	305.8	1	8.3	7	57.8	11	90.9	6	49.6
Lincoln	27	304.6			9	101.5	4	45.1	4	45.1
Mason	85	221.7	2	5.2	20	52.2	29	75.6	12	31.3
Okanogan	57	170.9	1	3.0	10	30.0	28	84.0		
Pacific	71	376.0			14	74.1	30	158.9	7	37.1
Pend Oreille	24	269.2			6	67.3	9	101.0	3	33.7
Pierce	1,065	181.7	21	3.6	248	42.3	318	54.2	140	23.9
Puyallup	61	255.5			14	58.6	21	88.0	3	12.6
Tacoma	406	229.8	7	4.0	99	56.0	136	77.0	50	28.3
San Juan	14	139.5			3	29.9	3	29.9	4	39.9
Skagit	173	217.5	2	2.5	48	60.3	50	62.8	20	25.1
Anacortes	30	262.0	2	17.5	6	52.4	9	78.6	2	17.5
Mount Vernon	40	226.7			14	79.3	11	62.3	8	45.3
Skamania	16	193.0			2	24.1	4	48.3	1	12.1
Snohomish	705	151.4	13	2.8	179	38.4	189	40.6	73	15.7
Edmonds	75	244.0	3	9.8	13	42.3	19	61.8	6	19.5
Everett	150	214.4	4	5.7	46	65.8	37	52.9	16	22.9
Lynnwood	48	167.3			12	41.8	12	41.8	3	10.5
Marysville	29	280.8	1	9.7	7	67.8	6	58.1	4	38.7
Mountlake Terrace	29	150.1			9	46.6	7	36.2	5	25.9
Spokane	715	197.9	11	3.0	166	45.9	191	52.9	96	26.6
Spokane (city)	445	251.1	5	2.8	100	56.4	126	71.1	63	35.6
Stevens	65	210.0			18	58.2	16	51.7	9	29.1
Thurston	304	188.5	6	3.7	80	49.6	94	58.3	28	17.4
Lacey	49	254.2			14	72.6	14	72.6	5	25.9
Olympia	94	277.8	1	3.0	26	76.8	27	79.8	7	20.7
Wahkiakum	8	240.5			2	60.1	3	90.2	1	30.1
Walla Walla	102	210.6	3	6.2	26	53.7	27	55.7	9	18.6
Walla Walla (city)	66	249.3	2	7.6	15	56.7	20	75.5	5	18.9
Whatcom	236	184.7	1	.8	50	39.1	70	54.8	30	23.5
Bellingham	126	241.5			27	51.7	39	74.7	17	32.6
Whitman	37	95.4	1	2.6	8	20.6	7	18.1	5	12.9
Pullman	9	38.3			2	8.5			1	4.3
Yakima	343	181.7	4	2.1	76	40.2	124	65.7	43	22.8
Sunnyside	13	115.7			1	8.9	3	26.7	1	8.9
Yakima (city)	129	235.3	2	3.6	27	49.2	47	85.7	14	25.5

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[1] Rates per 100,000 population.

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Table 31 (Continued). Deaths Due to Malignant Neoplasm by Primary Site with Rates[1] by Place of Residence, Washington State 1990

County and City	Urinary Organs Number	Urinary Organs Rate	Skin Number	Skin Rate	Breast Number	Breast Rate	Leukemias and Neoplasms of the Lymphatic and Hematopoietic Tissue Number	Leukemias and Neoplasms of the Lymphatic and Hematopoietic Tissue Rate	Other and Unspecified Primary Sites Number	Other and Unspecified Primary Sites Rate
State Totals	350	7.2	166	3.4	745	15.3	893	18.3	808	16.6
Adams	1	7.4			4	29.4	4	29.4	1	7.4
Asotin	3	17.0	2	11.4	7	39.8	5	28.4	5	28.4
Benton	6	5.3	5	4.4	17	15.1	15	13.3	17	15.1
Kennewick	3	7.1	1	2.4	11	26.1	3	7.1	5	11.9
Richland	1	3.1	2	6.2	3	9.3	6	18.6	4	12.4
Chelan	2	3.8	4	7.7	9	17.2	14	26.8	8	15.3
Wenatchee			1	4.6	3	13.8	5	23.0	2	9.2
Clallam	10	17.7	6	10.6	9	15.9	15	26.6	15	26.6
Port Angeles	3	16.9	2	11.3	5	28.2	6	33.9	5	28.2
Clark	18	7.6	5	2.1	31	13.0	44	18.5	36	15.1
Vancouver	8	17.2	2	4.3	10	21.6	15	32.3	11	23.7
Columbia										
Cowlitz	10	12.2	3	3.7	9	11.0	16	19.5	10	12.2
Kelso	1	8.5			2	16.9	2	16.9		
Longview	6	19.0	2	6.3	2	6.3	9	28.6	5	15.9
Douglas					4	15.3	2	7.6	8	30.5
Ferry									1	15.9
Franklin	2	5.3	2	5.3	5	13.3	6	16.0	7	18.7
Pasco	2	9.8	2	9.8	2	9.8	5	24.6	1	4.9
Garfield					2	89.0	1	44.5		
Grant	5	9.1	2	3.7	5	9.1	12	21.9	11	20.1
Moses Lake	3	26.7					6	53.4	2	17.8
Grays Harbor	7	10.9	4	6.2	14	21.8	22	34.3	12	18.7
Aberdeen	4	24.1	1	6.0	6	36.2	6	36.2	4	24.1
Island	5	8.3	2	3.3	8	13.3	13	21.6	12	19.9
Oak Harbor			1	5.8	1	5.8	1	5.8	3	17.5
Jefferson	5	24.8			5	24.8			4	19.9
King	96	6.4	41	2.7	258	17.1	261	17.3	239	15.9
Auburn	7	21.1	2	6.0	8	24.2	4	12.1	5	15.1
Bellevue	3	3.5	2	2.3	17	19.6	20	23.0	13	15.0
Bothell			1	8.3	3	25.0	1	8.3	6	50.1
Des Moines			1	5.8	2	11.6	6	34.7	2	11.6
Federal Way	2	3.0	1	1.5	5	7.4	5	7.4	7	10.4
Kent	2	5.3			3	7.9	9	23.7	2	5.3
Kirkland	3	7.5	3	7.5	6	15.0	7	17.5	7	17.5
Mercer Island	2	9.6	2	9.6	8	38.4	6	28.8	2	9.6
Redmond	2	5.6			7	19.6	6	16.8	4	11.2
Renton	3	7.2	1	2.4	3	7.2	5	12.0	10	24.0
Sea Tac										
Seattle	50	9.7	14	2.7	119	23.1	110	21.3	90	17.4
Tukwila										
Kitsap	7	3.7	6	3.2	24	12.6	40	21.1	27	14.2
Bremerton	5	13.1			5	13.1	15	39.3	5	13.1
Kittitas	1	3.7	1	3.7	1	3.7	4	15.0	3	11.2
Ellensburg									2	16.2
Klickitat	1	6.0			8	48.1	4	24.1	5	30.1
Lewis	4	6.7	3	5.1	18	30.3	9	15.2	11	18.5
Centralia	1	8.3			4	33.1	4	33.1	3	24.8
Lincoln	3	33.8	1	11.3	2	22.6	2	22.6	2	22.6
Mason	5	13.0	1	2.6	5	13.0	8	20.9	3	7.8
Okanogan	1	3.0	2	6.0	3	9.0	8	24.0	4	12.0
Pacific	4	21.2	1	5.3	3	15.9	7	37.1	5	26.5
Pend Oreille					1	11.2	3	33.7	2	22.4
Pierce	43	7.3	19	3.2	82	14.0	104	17.7	90	15.4
Puyallup	4	16.8	1	4.2	9	37.7	3	12.6	6	25.1
Tacoma	16	9.1	4	2.3	25	14.2	37	20.9	32	18.1
San Juan	1	10.0					3	29.9		
Skagit	7	8.8	8	10.1	12	15.1	13	16.3	13	16.3
Anacortes			1	8.7	4	34.9	3	26.2	3	26.2
Mount Vernon	1	5.7	1	5.7	3	17.0			2	11.3
Skamania	3	36.2			3	36.2	3	36.2		
Snohomish	31	6.7	16	3.4	53	11.4	80	17.2	71	15.2
Edmonds	5	16.3	3	9.8	5	16.3	13	42.3	8	26.0
Everett	5	7.1	6	8.6	5	7.1	15	21.4	16	22.9
Lynnwood	4	13.9	1	3.5	6	20.9	6	20.9	4	13.9
Marysville	3	29.0			3	29.0	4	38.7	1	9.7
Mountlake Terrace			1	5.2	2	10.4	2	10.4	3	15.5
Spokane	28	7.7	17	4.7	56	15.5	79	21.9	71	19.6
Spokane (city)	15	8.5	6	3.4	31	17.5	49	27.7	50	28.2
Stevens	3	9.7			7	22.6	5	16.2	7	22.6
Thurston	12	7.4	6	3.7	22	13.6	25	15.5	31	19.2
Lacey	3	15.6	1	5.2	6	31.1	2	10.4	4	20.7
Olympia	6	17.7	2	5.9	7	20.7	12	35.5	6	17.7
Wahkiakum					1	30.1			1	30.1
Walla Walla	3	6.2	2	4.1	9	18.6	6	12.4	17	35.1
Walla Walla (city)	3	11.3	1	3.8	7	26.4	3	11.3	10	37.8
Whatcom	8	6.3	3	2.3	22	17.2	28	21.9	24	18.8
Bellingham	5	9.6	3	5.7	14	26.8	13	24.9	8	15.3
Whitman			1	2.6	2	5.2	7	18.1	6	15.5
Pullman			1	4.3	1	4.3	1	4.3	3	12.8
Yakima	15	7.9	3	1.6	24	12.7	25	13.2	29	15.4
Sunnyside	1	8.9			4	35.6	1	8.9	2	17.8
Yakima (city)	5	9.1			10	18.2	11	20.1	13	23.7

[1] Rates per 100,000 population.

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Table 32. Deaths Due to Human Immunodeficiency Virus with Rates[1] by Place of Residence, Washington State 1990

County and City	Total		Male		Female		Unknown	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	339	7.0	322	6.6	17	.3		
Adams								
Asotin								
Benton	2	1.8	2	1.8				
Kennewick	1	2.4	1	2.4				
Richland	1	3.1	1	3.1				
Chelan	2	3.8	2	3.8				
Wenatchee								
Clallam								
Port Angeles								
Clark	11	4.6	11	4.6				
Vancouver	6	12.9	6	12.9				
Columbia	1	24.9	1	24.9				
Cowlitz	5	6.1	4	4.9	1	1.2		
Kelso								
Longview	3	9.5	3	9.5				
Douglas								
Ferry								
Franklin	1	2.7			1	2.7		
Pasco	1	4.9			1	4.9		
Garfield								
Grant	1	1.8	1	1.8				
Moses Lake								
Grays Harbor	3	4.7	3	4.7				
Aberdeen	1	6.0	1	6.0				
Island	1	1.7	1	1.7				
Oak Harbor								
Jefferson								
King	220	14.6	213	14.1	7	.5		
Auburn	2	6.0	2	6.0				
Bellevue	5	5.8	5	5.8				
Bothell								
Des Moines	1	5.8	1	5.8				
Federal Way								
Kent	2	5.3	2	5.3				
Kirkland	1	2.5	1	2.5				
Mercer Island	1	4.8	1	4.8				
Redmond	2	5.6	2	5.6				
Renton	1	2.4	1	2.4				
Sea Tac								
Seattle	177	34.3	170	32.9	7	1.4		
Tukwila								
Kitsap	11	5.8	11	5.8				
Bremerton	2	5.2	2	5.2				
Kittitas								
Ellensburg								
Klickitat								
Lewis	1	1.7	1	1.7				
Centralia	1	8.3	1	8.3				
Lincoln								
Mason								
Okanogan								
Pacific								
Pend Oreille								
Pierce	30	5.1	27	4.6	3	.5		
Puyallup	3	12.6	3	12.6				
Tacoma	16	9.1	15	8.5	1	.6		
San Juan								
Skagit	2	2.5	1	1.3	1	1.3		
Anacortes	2	17.5	1	8.7	1	8.7		
Mount Vernon								
Skamania								
Snohomish	19	4.1	16	3.4	3	.6		
Edmonds								
Everett	3	4.3	3	4.3				
Lynnwood	5	17.4	4	13.9	1	3.5		
Marysville								
Mountlake Terrace	2	10.4	1	5.2	1	5.2		
Spokane	17	4.7	17	4.7				
Spokane (city)	12	6.8	12	6.8				
Stevens								
Thurston	3	1.9	2	1.2	1	.6		
Lacey	1	5.2	1	5.2				
Olympia	1	3.0	1	3.0				
Wahkiakum								
Walla Walla	1	2.1	1	2.1				
Walla Walla (city)	1	3.8	1	3.8				
Whatcom	4	3.1	4	3.1				
Bellingham	1	1.9	1	1.9				
Whitman	2	5.2	2	5.2				
Pullman								
Yakima	2	1.1	2	1.1				
Sunnyside	1	8.9	1	8.9				
Yakima (city)								

[1] Rates per 100,000 population.

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Table 33. Deaths by External Causes with Rates[1] by Place of Residence, Washington State 1990

	All Accidents		Motor Vehicle		Falls		Drownings		Fires		All Other Accidents	
County and City	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Totals	1,761	36.2	913	18.8	271	5.6	133	2.7	62	1.3	382	7.8
Adams	8	58.8	4	29.4	1	7.4			2	14.7	1	7.4
Asotin	7	39.8	2	11.4	3	17.0					2	11.4
Benton	23	20.4	15	13.3	1	.9	4	3.6			3	2.7
Kennewick	7	16.6	2	4.7			2	4.7			3	7.1
Richland	8	24.8	6	18.6			2	6.2				
Chelan	30	57.4	16	30.6	5	9.6	2	3.8	1	1.9	6	11.5
Wenatchee	9	41.4	6	27.6	2	9.2					1	4.6
Clallam	34	60.2	13	23.0	5	8.9	5	8.9	2	3.5	9	15.9
Port Angeles	12	67.8	3	16.9	2	11.3	2	11.3	1	5.6	4	22.6
Clark	93	39.1	57	23.9	13	5.5	3	1.3	3	1.3	17	7.1
Vancouver	37	79.8	22	47.4	6	12.9	1	2.2	2	4.3	6	12.9
Columbia	2	49.7	2	49.7								
Cowlitz	33	40.2	15	18.3	6	7.3	2	2.4	1	1.2	9	11.0
Kelso	7	59.2	2	16.9	1	8.5	1	8.5			3	25.4
Longview	13	41.3	7	22.2	3	9.5	1	3.2			2	6.3
Douglas	14	53.4	8	30.5	2	7.6	1	3.8	2	7.6	1	3.8
Ferry	10	158.9	4	63.5					4	63.5	2	31.8
Franklin	17	45.4	8	21.3	2	5.3	1	2.7			6	16.0
Pasco	6	29.5	2	9.8	1	4.9	1	4.9			2	9.8
Garfield												
Grant	32	58.4	24	43.8	1	1.8	3	5.5	1	1.8	3	5.5
Moses Lake	10	89.0	8	71.2			2	17.8				
Grays Harbor	43	67.0	10	15.6	9	14.0	11	17.1	2	3.1	11	17.1
Aberdeen	13	78.5	5	30.2	2	12.1	2	12.1	1	6.0	3	18.1
Island	17	28.2	12	19.9	1	1.7	2	3.3			2	3.3
Oak Harbor	3	17.5	3	17.5								
Jefferson	8	39.7	6	29.8	1	5.0					1	5.0
King	434	28.8	200	13.3	83	5.5	31	2.1	13	.9	107	7.1
Auburn	15	45.3	10	30.2	4	12.1					1	3.0
Bellevue	24	27.6	10	11.5	9	10.4	3	3.5			2	2.3
Bothell	6	50.1	1	8.3					1	8.3	4	33.4
Des Moines	3	17.4	1	5.8	1	5.8					1	5.8
Federal Way	17	25.2	10	14.8	2	3.0					5	7.4
Kent	7	18.4	5	13.2	1	2.6					1	2.6
Kirkland	4	10.0	2	5.0							2	5.0
Mercer Island	6	28.8	3	14.4	1	4.8					2	9.6
Redmond	6	16.8	4	11.2	1	2.8					1	2.8
Renton	12	28.8	5	12.0	2	4.8	3	7.2			2	4.8
Sea Tac												
Seattle	176	34.1	67	13.0	38	7.4	13	2.5	7	1.4	51	9.9
Tukwila												
Kitsap	69	36.4	43	22.7	9	4.7	3	1.6			14	7.4
Bremerton	15	39.3	10	26.2	1	2.6	1	2.6			3	7.9
Kittitas	13	48.6	3	11.2	5	18.7	1	3.7			4	15.0
Ellensburg	3	24.3	1	8.1	1	8.1					1	8.1
Klickitat	8	48.1	8	48.1								
Lewis	38	64.0	21	35.4	2	3.4	2	3.4	2	3.4	11	18.5
Centralia	5	41.3	1	8.3					1	8.3	3	24.8
Lincoln	6	67.7	3	33.8	1	11.3					2	22.6
Mason	16	41.7	9	23.5	3	7.8	1	2.6	1	2.6	2	5.2
Okanogan	23	69.0	16	48.0	1	3.0			1	3.0	5	15.0
Pacific	12	63.6	5	26.5	2	10.6	3	15.9			2	10.6
Pend Oreille	6	67.3	2	22.4	1	11.2					3	33.7
Pierce	209	35.7	119	20.3	28	4.8	14	2.4	11	1.9	37	6.3
Puyallup	10	41.9	7	29.3	2	8.4					1	4.2
Tacoma	68	38.5	33	18.7	13	7.4	8	4.5	2	1.1	12	6.8
San Juan	3	29.9	2	19.9	1	10.0						
Skagit	41	51.5	20	25.1	8	10.1	3	3.8	2	2.5	8	10.1
Anacortes	7	61.1	2	17.5	1	8.7	1	8.7	1	8.7	2	17.5
Mount Vernon	7	39.7	3	17.0	2	11.3	1	5.7			1	5.7
Skamania	3	36.2	2	24.1					1	12.1		
Snohomish	176	37.8	91	19.5	22	4.7	14	3.0	2	.4	47	10.1
Edmonds	7	22.8	1	3.3	5	16.3					1	3.3
Everett	38	54.3	21	30.0	6	8.6	3	4.3			8	11.4
Lynnwood	17	59.2	5	17.4	3	10.5	1	3.5			8	27.9
Marysville	8	77.5	3	29.0	1	9.7	2	19.4			2	19.4
Mountlake Terrace	1	5.2									1	5.2
Spokane	106	29.3	48	13.3	18	5.0	6	1.7	4	1.1	30	8.3
Spokane (city)	53	29.9	18	10.2	12	6.8	3	1.7	2	1.1	18	10.2
Stevens	20	64.6	13	42.0	3	9.7					4	12.9
Thurston	49	30.4	21	13.0	8	5.0	7	4.3	3	1.9	10	6.2
Lacey	5	25.9	1	5.2	3	15.6					1	5.2
Olympia	12	35.5	3	8.9	3	8.9	1	3.0	1	3.0	4	11.8
Wahkiakum	1	30.1	1	30.1								
Walla Walla	22	45.4	9	18.6	4	8.3	1	2.1	1	2.1	7	14.5
Walla Walla (city)	11	41.5	4	15.1	3	11.3	1	3.8			3	11.3
Whatcom	39	30.5	24	18.8	11	8.6	1	.8	2	1.6	1	.8
Bellingham	17	32.6	7	13.4	7	13.4	1	1.9	1	1.9	1	1.9
Whitman	8	20.6	3	7.7	2	5.2					3	7.7
Pullman	4	17.0	2	8.5	1	4.3					1	4.3
Yakima	88	46.6	54	28.6	9	4.8	12	6.4	1	.5	12	6.4
Sunnyside	2	17.8	1	8.9			1	8.9				
Yakima (city)	24	43.8	14	25.5	4	7.3	4	7.3			2	3.6

[1] Rates per 100,000 population.

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Table 34. Deaths by External Causes with Rates[1] by Place of Residence, Washington State 1990

County and City	Suicide		Homicide		Undetermined	
	Number	Rate	Number	Rate	Number	Rate
State Totals	673	13.8	244	5.0	117	2.4
Adams			3	22.1		
Asotin	2	11.4	3	17.0		
Benton	14	12.4	4	3.6		
Kennewick	6	14.2	3	7.1		
Richland	5	15.4				
Chelan	7	13.4	1	1.9		
Wenatchee	4	18.3				
Clallam	10	17.7	2	3.5	1	1.8
Port Angeles	5	28.2				
Clark	25	10.5	12	5.0	8	3.4
Vancouver	13	28.0	5	10.7	3	6.4
Columbia						
Cowlitz	15	18.3				
Kelso	3	25.3				
Longview	6	19.0				
Douglas	5	19.1	1	3.8	1	3.8
Ferry	4	63.5	2	31.8		
Franklin	3	8.0	6	16.0	2	5.3
Pasco	2	9.8	6	29.5	2	9.8
Garfield						
Grant	4	7.3	3	5.5	1	1.8
Moses Lake						
Grays Harbor	24	37.4	7	10.9	1	1.6
Aberdeen	5	30.1	1	6.0		
Island	6	10.0			1	1.7
Oak harbor	1	5.8				
Jefferson	4	19.9	1	5.0		
King	206	13.7	90	6.0	53	3.5
Auburn	5	15.1	2	6.0		
Bellevue	9	10.3	3	3.4	1	1.1
Bothell	1	8.3			1	8.3
Des Moines	3	17.3	2	11.5	1	5.7
Federal Way	7	10.3	5	7.4	2	2.9
Kent	3	7.9	2	5.2	4	10.5
Kirkland	6	14.9	1	2.4		
Mercer Island	3	14.4	2	9.6		
Redmond	3	8.3	1	2.7		
Renton	4	9.5	4	9.5		
Sea Tac						
Seattle	83	16.0	49	9.4	29	5.6
Tukwila	2	16.8			1	8.4
Kitsap	29	15.3	11	5.8	3	1.6
Bremerton	6	15.7	7	18.3	1	2.6
Kittitas	3	11.2	1	3.7		
Ellensburg	1	8.0				
Klickitat	5	30.1				
Lewis	7	11.8				
Centralia	2	16.5				
Lincoln	2	22.6				
Mason	7	18.3	1	2.6		
Okanogan	3	9.0	2	6.0	1	3.0
Pacific	5	26.5				
Pend Oreille	1	11.2	1	11.2	1	11.2
Pierce	92	15.7	46	7.8	22	3.8
Puyallup	2	8.3	3	12.5		
Tacoma	31	17.5	25	14.1	13	7.3
San Juan	1	10.0				
Skagit	9	11.3	4	5.0	1	1.3
Anacortes	1	8.7			1	8.7
Mount Vernon	1	5.6				
Skamania						
Snohomish	66	14.2	11	2.4	5	1.1
Edmonds	8	26.0			1	3.2
Everett	10	14.2	5	7.1	2	2.8
Lynnwood	9	31.3	1	3.4		
Marysville	4	38.7				
Mountlake Terrace	2	10.3				
Spokane	42	11.6	15	4.2	6	1.7
Spokane (city)	26	14.6	11	6.2	4	2.2
Stevens	4	12.9	2	6.5	3	9.7
Thurston	26	16.1	4	2.5	2	1.2
Lacey	1	5.1				
Olympia	10	29.5	1	2.9	1	2.9
Wahkiakum						
Walla Walla	7	14.5				
Walla Walla (city)	4	15.1				
Whatcom	12	9.4	2	1.6	3	2.3
Bellingham	2	3.8			1	1.9
Whitman	3	7.7				
Pullman	3	12.7				
Yakima	20	10.6	9	4.8	2	1.1
Sunnyside	1	8.8				
Yakima (city)	7	12.7	3	5.4	2	3.6

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[1] Rates per 100,000 population.

Table 35. Deaths by Month by Selected Causes, Washington State Occurrences 1990

Cause of Death with International List Number	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total All Causes	37,098	3,439	3,106	3,263	2,935	3,046	3,018	3,111	2,958	2,938	3,049	2,925	3,310
Infections and Parasitic Diseases	774	65	58	69	74	52	75	57	73	57	62	65	67
Pneumonia (480-486)	1,355	138	165	143	96	103	121	101	90	85	100	97	116
Influenza (487)	60	7	26	14	5	1		1		1		3	2
Bronchitis (490-491)	68	4	7	8	12	3	3	7	6	2	5	4	7
Emphysema (492)	347	44	24	37	31	26	29	31	21	20	23	29	32
Asthma (493)	122	15	11	12	9	11	15	6	6	6	15	8	8
Other Chronic Obstructive Pulmonary Diseases (494-496)	1,412	142	144	119	109	125	107	110	89	101	121	113	132
Congenital Anomalies (740-759)	244	22	27	21	18	25	16	19	21	14	18	17	26
Certain Causes of Mortality in Early Infancy (760-799)	196	18	13	21	13	14	17	11	20	12	22	17	18
Motorcycle Accidents (E810-E825)	65	5	3	4	3	8	7	8	13	11	2	1	
Other Motor Vehicle Accidents (E810-E825)	810	65	54	61	54	72	76	77	90	75	63	56	67
Drownings Resulting from Boating Accident (E830-E832)	42	13			2	5	6	8	3	2	2		1
Other Drownings (E910)	91		3	4	6	10	10	25	18	3	5	5	2
Falls (E880-E888)	267	20	14	19	24	21	28	25	17	26	28	26	19
Fire (E890-E899)	67	3	6	5	2	7	5	7	8	3	3	7	11
Other Accidents (E800-E928)	235	24	12	16	18	21	20	17	26	23	20	15	23
Suicide (E950-E959)	687	59	58	61	50	53	57	71	54	68	61	52	43
Homicide (E960-E969)	244	20	13	20	16	22	30	20	20	16	21	23	23

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Table 36. Deaths Due to Human Immunodeficiency Virus with Rates[1] by Place of Occurrence, Washington State 1990

County and City	Total Number	Total Rate	Male Number	Male Rate	Female Number	Female Rate
State Totals	341	7.0	325	6.7	16	.3
Adams						
Asotin						
Benton	3	2.7	3	2.7		
Kennewick	2	4.7	2	4.7		
Richland	1	3.1	1	3.1		
Chelan	2	3.8	2	3.8		
Wenatchee	2	9.2	2	9.2		
Clallam						
Port Angeles						
Clark	12	5.0	12	5.0		
Vancouver	12	25.9	12	25.9		
Columbia	1	24.9	1	24.9		
Cowlitz	3	3.7	3	3.7		
Kelso						
Longview	3	9.5	3	9.5		
Douglas						
Ferry						
Franklin	1	2.7			1	2.7
Pasco	1	4.9			1	4.9
Garfield						
Grant						
Moses Lake						
Grays Harbor	1	1.6	1	1.6		
Aberdeen	1	6.0	1	6.0		
Island	1	1.7	1	1.7		
Oak Harbor						
Jefferson						
King	229	15.2	218	14.5	11	.7
Auburn						
Bellevue	3	3.5	3	3.5		
Bothell	1	8.3	1	8.3		
Des Moines						
Federal Way						
Kent	1	2.6	1	2.6		
Kirkland	1	2.5	1	2.5		
Mercer Island	1	4.8	1	4.8		
Redmond	3	8.4	2	5.6	1	2.8
Renton	3	7.2	3	7.2		
Sea Tac						
Seattle	214	41.5	204	39.5	10	1.9
Tukwila						
Kitsap	10	5.3	10	5.3		
Bremerton	6	15.7	6	15.7		
Kittitas						
Ellensburg						
Klickitat						
Lewis						
Centralia						
Lincoln						
Mason						
Okanogan						
Pacific						
Pend Oreille						
Pierce	33	5.6	31	5.3	2	.3
Puyallup	2	8.4	2	8.4		
Tacoma	24	13.6	22	12.5	2	1.1
San Juan	1	10.0	1	10.0		
Skagit						
Anacortes						
Mount Vernon						
Skamania						
Snohomish	11	2.4	10	2.1	1	.2
Edmonds						
Everett	5	7.1	4	5.7	1	1.4
Lynnwood	1	3.5	1	3.5		
Marysville						
Mountlake Terrace						
Spokane	21	5.8	21	5.8		
Spokane (city)	19	10.7	19	10.7		
Stevens						
Thurston	4	2.5	3	1.9	1	.6
Lacey						
Olympia	4	11.8	3	8.9	1	3.0
Wahkiakum						
Walla Walla	1	2.1	1	2.1		
Walla Walla (city)	1	3.8	1	3.8		
Whatcom	4	3.1	4	3.1		
Bellingham	2	3.8	2	3.8		
Whitman	1	2.6	1	2.6		
Pullman						
Yakima	2	1.1	2	1.1		
Sunnyside						
Yakima (city)	2	3.6	2	3.6		

[1] Rates per 100,000 population.

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Table 37. Deaths by External Causes with Rates[1] by Place of Occurrence, Washington State 1990

County and City	All Accidents Number	All Accidents Rate	Motor Vehicle Number	Motor Vehicle Rate	Falls Number	Falls Rate	Drownings Number	Drownings Rate	Fires Number	Fires Rate	All Other Accidents Number	All Other Accidents Rate
State Totals	1,755	36.1	889	18.3	274	5.6	133	2.7	67	1.4	392	8.1
Adams	10	73.5	7	51.5					2	14.7	1	7.4
Asotin	4	22.7			3	17.0					1	5.7
Benton	32	28.4	24	21.3	2	1.8	2	1.8			4	3.6
Kennewick	5	11.9	4	9.5							1	2.4
Richland	15	46.4	14	43.3			1	3.1				
Chelan	32	61.2	13	24.9	7	13.4	4	7.7	2	3.8	6	11.5
Wenatchee	14	64.4	4	18.4	5	23.0			2	9.2	3	13.8
Clallam	41	72.6	13	23.0	4	7.1	17	30.1			7	12.4
Port Angeles	23	129.9	10	56.5	3	16.9	4	22.6			6	33.9
Clark	64	26.9	31	13.0	13	5.5	3	1.3	3	1.3	14	5.9
Vancouver	49	105.6	22	47.4	12	25.9	2	4.3	1	2.2	12	25.9
Columbia	3	74.6	3	74.6								
Cowlitz	39	47.5	18	21.9	3	3.7	2	2.4	1	1.2	15	18.3
Kelso	8	67.7	4	33.8			1	8.5			3	25.4
Longview	12	38.1	4	12.7	3	9.5					5	15.9
Douglas	11	42.0	7	26.7					1	3.8	3	11.4
Ferry	15	238.3	8	127.1					4	63.5	3	47.7
Franklin	17	45.4	10	26.7	1	2.7	1	2.7			5	13.3
Pasco	13	63.9	7	34.4	1	4.9	1	4.9			4	19.7
Garfield												
Grant	29	53.0	19	34.7	3	5.5	5	9.1			2	3.7
Moses Lake	11	97.9	8	71.2	1	8.9	2	17.8				
Grays Harbor	40	62.3	13	20.3	7	10.9	7	10.9	1	1.6	12	18.7
Aberdeen	17	102.6	5	30.2	5	30.2	5	30.2			2	12.1
Island	16	26.6	10	16.6	1	1.7	2	3.3			3	5.0
Oak Harbor	3	17.5	3	17.5								
Jefferson	7	34.7	2	9.9	1	5.0	4	19.9				
King	496	32.9	241	16.0	87	5.8	23	1.5	23	1.5	122	8.1
Auburn	12	36.3	6	18.1	3	9.1					3	9.1
Bellevue	14	16.1	7	8.1	6	6.9					1	1.2
Bothell	2	16.7	1	8.3							1	8.3
Des Moines	6	34.7			3	17.4			1	5.8	2	11.6
Federal Way	8	11.8	1	1.5	3	4.4					4	5.9
Kent	15	39.5	8	21.1			1	2.6	3	7.9	3	7.9
Kirkland	6	15.0	3	7.5	1	2.5					2	5.0
Mercer Island	3	14.4	2	9.6							1	4.8
Redmond	12	33.5	5	14.0	2	5.6	3	8.4			2	5.6
Renton	15	36.0	9	21.6	4	9.6					2	4.8
Sea Tac												
Seattle	346	67.0	161	31.2	60	11.6	16	3.1	19	3.7	90	17.4
Tukwila	5	42.1	4	33.7							1	8.4
Kitsap	46	24.2	33	17.4	5	2.6			1	.5	7	3.7
Bremerton	24	62.9	15	39.3	4	10.5					5	13.1
Kittitas	19	71.1	10	37.4	3	11.2	3	11.2			3	11.2
Ellensburg	7	56.6	3	24.3	2	16.2					2	16.2
Klickitat	16	96.3	11	66.2	1	6.0	3	18.1			1	6.0
Lewis	47	79.2	24	40.4	4	6.7	4	6.7	2	3.4	13	21.9
Centralia	14	115.7	5	41.3	2	16.5			1	8.3	6	49.6
Lincoln	4	45.1			2	22.6	1	11.3			1	11.3
Mason	12	31.3	6	15.6	2	5.2	1	2.6	1	2.6	2	5.2
Okanogan	19	57.0	11	33.0	2	6.0	1	3.0	1	3.0	4	12.0
Pacific	9	47.7	1	5.3	1	5.3	6	31.8			1	5.3
Pend Oreille	7	78.5	3	33.7	1	11.2					3	33.7
Pierce	185	31.6	89	15.2	32	5.5	10	1.7	9	1.5	45	7.7
Puyallup	26	108.9	13	54.5	4	16.8	1	4.2	1	4.2	7	29.3
Tacoma	95	53.8	37	20.9	22	12.5	6	3.4	5	2.8	25	14.2
San Juan	1	10.0					1	10.0				
Skagit	39	49.0	21	26.4	6	7.5	2	2.5	2	2.5	8	10.1
Anacortes	13	113.5	6	52.4	2	17.5	1	8.7	1	8.7	3	26.2
Mount Vernon	14	79.3	8	45.3	3	17.0			1	5.7	2	11.3
Skamania	4	48.3	1	12.1			1	12.1	1	12.1	1	12.1
Snohomish	133	28.6	65	14.0	23	4.9	8	1.7	2	.4	35	7.5
Edmonds	18	58.5	5	16.3	8	26.0					5	16.3
Everett	51	72.9	28	40.0	8	11.4	3	4.3	1	1.4	11	15.7
Lynnwood	6	20.9	2	7.0	1	3.5					3	10.5
Marysville	9	87.1	5	48.4	1	9.7	1	9.7			2	19.4
Mountlake Terrace	1	5.2									1	5.2
Spokane	136	37.6	74	20.5	18	5.0	7	1.9	4	1.1	33	9.1
Spokane (city)	120	67.7	65	36.7	17	9.6	7	4.0	3	1.7	28	15.8
Stevens	18	58.2	11	35.5	3	9.7					4	12.9
Thurston	42	26.0	17	10.5	10	6.2	4	2.5	3	1.9	8	5.0
Lacey	5	25.9			3	15.6			1	5.2	1	5.2
Olympia	30	88.7	13	38.4	6	17.7	2	5.9	2	5.9	7	20.7
Wahkiakum												
Walla Walla	28	57.8	17	35.1	4	8.3	1	2.1	1	2.1	5	10.3
Walla Walla (city)	21	79.3	14	52.9	2	7.6					5	18.9
Whatcom	48	37.6	23	18.0	14	11.0	2	1.6	2	1.6	7	5.5
Bellingham	27	51.7	9	17.2	12	23.0	1	1.9	2	3.8	3	5.7
Whitman	8	20.6	5	12.9							3	7.7
Pullman	2	8.5	1	4.3							1	4.3
Yakima	78	41.3	48	25.4	11	5.8	8	4.2	1	.5	10	5.3
Sunnyside	5	44.5	3	26.7	1	8.9	1	8.9				
Yakima (city)	41	74.8	25	45.6	7	12.8	3	5.5			6	10.9

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[1] Rates per 100,000 population.

Table 38. Deaths by External Causes with Rates[1] by Place of Occurrence, Washington State 1990

County and City	Suicide		Homicide		Undetermined	
	Number	Rate	Number	Rate	Number	Rate
State Totals	687	14.1	244	5.0	121	2.5
Adams			3	22.1		
Asotin	2	11.4				
Benton	15	13.3	6	5.3	1	.9
Kennewick	7	16.6	3	7.1	1	2.4
Richland	6	18.6				
Chelan	9	17.2	3	5.7	1	1.9
Wenatchee	7	32.2	3	13.8	1	4.8
Clallam	10	17.7	1	1.8	2	3.5
Port Angeles	6	33.9				
Clark	23	9.7	10	4.2	6	2.5
Vancouver	19	41.0	9	19.4	6	12.9
Columbia	1	24.9				
Cowlitz	16	19.5				
Kelso	2	16.9				
Longview	8	25.4				
Douglas	4	15.3	1	3.8		
Ferry	3	47.7	2	31.8		
Franklin	2	5.3	5	13.3	2	5.3
Pasco	2	9.8	5	24.6	2	9.8
Garfield						
Grant	4	7.3			1	1.8
Moses Lake	1	8.9				
Grays Harbor	19	29.6	4	6.2	2	3.1
Aberdeen	6	36.2				
Island	6	10.0				
Oak Harbor	1	5.8				
Jefferson	7	34.7	2	9.9		
King	213	14.1	88	5.8	59	3.9
Auburn	13	39.3	1	3.0	2	6.0
Bellevue	13	15.0	3	3.5	3	3.5
Bothell	2	16.7	1	8.3	1	8.3
Des Moines	2	11.6	2	11.6	1	5.8
Federal Way	9	13.3	2	3.0	1	1.5
Kent	4	10.5	3	7.9	3	7.9
Kirkland	9	22.5	2	5.0		
Mercer Island	3	14.4	1	4.8		
Redmond	3	8.4				
Renton	9	21.6	2	4.8		
Sea Tac						
Seattle	127	24.6	68	13.2	46	8.9
Tukwila	3	25.3	1	8.4	1	8.4
Kitsap	27	14.2	10	5.3	2	1.1
Bremerton	10	26.2	6	15.7	1	2.6
Kittitas	4	15.0	2	7.5		
Ellensburg	1	8.1				
Klickitat	5	30.1				
Lewis	8	13.5				
Centralia	3	24.8				
Lincoln	2	22.6				
Mason	5	13.0	1	2.6		
Okanogan	3	9.0	2	6.0		
Pacific	6	31.8				
Pend Oreille	1	11.2			1	11.2
Pierce	90	15.4	49	8.4	22	3.8
Puyallup	5	20.9	6	25.1	1	4.2
Tacoma	52	29.4	33	18.7	20	11.3
San Juan	1	10.0				
Skagit	11	13.8	4	5.0		
Anacortes	2	17.5	1	8.7		
Mount Vernon	2	11.3				
Skamania	2	24.1				
Snohomish	64	13.7	13	2.8	5	1.1
Edmonds	13	42.3			1	3.3
Everett	15	21.4	4	5.7	2	2.9
Lynnwood	5	17.4	1	3.5	1	3.5
Marysville	5	48.4	1	9.7		
Mountlake Terrace	2	10.4				
Spokane	44	12.2	19	5.3	5	1.4
Spokane (city)	39	22.0	19	10.7	5	2.8
Stevens	5	16.2	1	3.2	6	19.4
Thurston	28	17.4	6	3.7	1	.6
Lacey	1	5.2				
Olympia	23	68.0	5	14.8	1	3.0
Wahkiakum						
Walla Walla	8	16.5				
Walla Walla (city)	8	30.2				
Whatcom	15	11.7	2	1.6	2	1.6
Bellingham	4	7.7			2	3.8
Whitman	4	10.3				
Pullman	2	8.5				
Yakima	20	10.6	10	5.3	3	1.6
Sunnyside						
Yakima (city)	11	20.1	4	7.3	3	5.5

[1] Rates per 100,000 population.

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Table 39. Deaths by Type of Place by Place of Occurrence, Washington State 1990

County and City	Total	General Hospital	Nursing Home	Home	Federal Facility	Psychiatric Hospital	State Facility	Dead on Arrival	Other and Not Specified
State Totals	37,098	15,475	10,177	8,707	843	31	1	19	1,845
Adams	92	27	41	17					7
Asotin	166	39	79	44					4
Benton	678	305	162	186					25
Kennewick	287	113	84	83					7
Richland	274	162	42	67					3
Chelan	674	340	202	97					35
Wenatchee	499	309	122	57					11
Clallam	611	218	179	148				1	65
Port Angeles	370	187	72	86					25
Clark	1,490	453	464	476	5			1	91
Vancouver	1,188	453	323	343	5				64
Columbia	37	8	22	3					4
Cowlitz	768	257	275	129					107
Kelso	49		5	36					8
Longview	641	257	243	70					71
Douglas	112		51	46					15
Ferry	36	8	2	12					14
Franklin	233	112	51	53					17
Pasco	222	112	50	47					13
Garfield	22	5	12	4					1
Grant	358	147	103	80					28
Moses Lake	193	92	58	33					10
Grays Harbor	621	225	206	155				2	33
Aberdeen	368	200	116	46					6
Island	330	86	98	129	1				16
Oak Harbor	80	2	28	45					5
Jefferson	156	51	50	40					15
King	11,739	5,372	2,876	2,695	251			4	541
Auburn	348	115	112	98					23
Bellevue	635	354	108	153					20
Bothell	103		50	51					2
Des Moines	252	1	215	32					4
Federal Way	309	92	115	87					15
Kent	137	1	1	105					30
Kirkland	505	216	176	96					17
Mercer Island	93		46	41					6
Redmond	258	136	54	52					16
Renton	651	367	139	129					16
Sea Tac	13		4	4					5
Seattle	7,847	4,027	1,658	1,610	251			3	298
Tukwila	29			17					12
Kitsap	1,213	475	338	315	27				58
Bremerton	801	473	173	141					14
Kittitas	201	64	65	37					35
Ellensburg	141	64	47	22					8
Klickitat	126	37	30	32					27
Lewis	586	228	196	120				1	41
Centralia	411	191	176	38					6
Lincoln	62	27	26	6					3
Mason	234	83	63	79					9
Okanogan	259	94	83	60				1	21
Pacific	200	85	55	52					8
Pend Oreille	62	33	9	15					5
Pierce	4,441	1,762	1,169	1,025	358	22		2	103
Puyallup	706	374	207	121				1	3
Tacoma	3,043	1,383	870	627	107	9		1	46
San Juan	51		25	21					5
Skagit	752	319	219	181					33
Anacortes	191	64	79	39					9
Mount Vernon	284	156	66	56					6
Skamania	33			20					13
Snohomish	2,533	933	716	772				1	111
Edmonds	471	256	109	100					6
Everett	1,025	583	196	225					21
Lynnwood	202	1	106	89					6
Marysville	146	1	67	66					12
Mountlake Terrace	39		1	36					2
Spokane	3,580	1,747	963	611	134	9		1	115
Spokane (city)	3,338	1,727	867	531	125				88
Stevens	216	73	55	66				2	20
Thurston	1,146	488	275	331				1	51
Lacey	185	1	116	63					5
Olympia	860	486	153	187				1	33
Wahkiakum	22		14	8					
Walla Walla	571	211	188	92	67		1		12
Walla Walla (city)	517	211	162	69	67		1		7
Whatcom	984	303	360	245					76
Bellingham	772	303	296	147					26
Whitman	145	44	57	33				2	9
Pullman	47	22	16	8					1
Yakima	1,558	816	398	272					72
Sunnyside	109	70	21	16					2
Yakima (city)	1,131	676	265	159					31

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Table 40. Infant Mortality by Age and Sex by Cause, Washington State Residents 1990

Cause and International List Number	Total		Under 1 Day		Under 7 Days		7 Days-Under 28 Days		28 Days-Under 3 Months		3 Months-Under 6 Months		6 Months-Under 9 Months		9 Months-Under 12 Months	
	M	F	M	F	M	F	M	F	M	F	M	F	M ·	F	M	F
Total All Causes	331	289	115	79	41	32	36	29	69	76	49	54	14	11	7	8
All Infective and Parasitic Diseases (000-139)	4	5					1		1	2			2	3		
Malignant Neoplasms (140-208,230-234)	1	1		1											1	
Meningitis (320,322)	3	1					2				1			1		
Diseases of the Circulatory System (390-459)	8	5			2	2	2		2	1	2	2				
Pneumonia and Influenza (480-487)		3						1		1		1				
Other Diseases of the Respiratory System (510-519)	2	1										1	1		1	
Hernia and Intestinal Obstruction (550-553,560)	1	2			1					2						
Congenital Anomalies (740-759)	85	67	38	22	21	10	13	12	3	13	8	6	2	1		3
Anencephalus (740)	7	3	7	3												
Spina Bifida and Meningocele (741)	1		1													
Other Anomalies of the Central Nervous System (742)	3	3			2	1	1	1		1						
Anomalies of the Heart (745-746)	32	17	4		10	2	8	3	2	5	6	4	2		3	
Other Anomalies of the Circulatory System (747)	5	6	1		2	3	1	1		1	1			1		
Anomalies of the Respiratory System (748)	17	7	15	5	2	2										
Anomalies of the Digestive System (749-751)	1	1						1	1							
Anomalies of the Genitourinary System (752-753)	5	1	3	1	2											
Anomalies of the Musculoskeletal System (754-756)	3	7	3	4		2		1								
Chromosomal Anomalies (758)	8	11	2	2	3		2	3		4	1	2				
Other Congenital Anomalies	3	11	2	7			1	2		2						
Certain Diseases of Early Infancy (760-779)	106	87	74	56	13	19	12	9	2		3	2	2			1
Maternal Diseases Affecting Child (760)	1		1													
Complications of Pregnancy Affecting Child (761-762)	25	20	22	19	1	1	2									
Birth Injuries (763,767-769)	21	17	11	8	4	7	3	1	1		1	1	1			
Other Disease Peculiar to Early Infancy	59	50	40	29	8	11	7	8	1		2	1	1			1
Sudden Infant Death Syndrome (7980)	91	94			1	1	4	6	51	49	28	35	4	2	3	1
All Other Diseases (000-799)	20	16	3		2		1	1	7	5	5	5		3	2	2
All Accidents (E800-E949)	4	5			1				1	1		2	2	1		1
Motor Vehicle Accidents (E810-E825)	1	3							1	1		1				1
Accidental Drowning and Submersion (E910)																
Inhalation of Food or Other Object Causing Obstruction or Suffocation (E911-912)																
Mechanical Suffocation in Bed or Cradle and in Other and Unspecified Circumstances (E913)	2	1	1													
All Other Accidents	3		1					2								
Homicide (E963-E968)	5	1		1	2	1	1	1								
Injury Undetermined Whether Accidentally or Purposely Inflicted (E980-988)	1	1	1	1												

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Table 41. Infant Mortality by Leading Causes by Place of Residence, Washington State 1990

County and City	Total All Causes	Birth Injuries	Other Causes of Mortality in Early Infancy	Congenital Malformations	Influenza and Pneumonia	All Accidents	Sudden Infant Death	All Other Causes
State Totals	620	38	155	152	3	9	185	78
Adams	4	1					2	1
Asotin	5	1		1			1	2
Benton	22	1	4	6			8	3
Kennewick	12		3	3			4	2
Richland	3			1			2	
Chelan	10		1	5	1		1	2
Wenatchee	7		1	2	1		1	2
Clallam	7		1	3			2	1
Port Angeles	2			1			1	
Clark	22		6	9		1	3	3
Vancouver	6		3	1			1	1
Columbia								
Cowlitz	14	1	2	3			6	2
Kelso	2						2	
Longview	5	1	1				1	2
Douglas	3		2				1	
Ferry	3	1	1					1
Franklin	8		2	4				2
Pasco	6		2	3				1
Garfield								
Grant	12	2	1	4			4	1
Moses Lake	4	1					3	
Grays Harbor	7		3	3			1	
Aberdeen	1		1					
Island	6		1	2			3	
Oak Harbor	5		1	1			3	
Jefferson	1			1				
King	156	8	54	33	2		48	11
Auburn	2	1			1			
Bellevue	7	1	3	1			1	1
Bothell								
Des Moines	2		1	1				
Federal Way								
Kent	12	2	3	2			5	
Kirkland	4	2					2	
Mercer Island	1			1				
Redmond	3		1	1			1	
Renton	7		1	2			4	
Sea Tac								
Seattle	58		25	13	1		15	4
Tukwila								
Kitsap	24	2	7	3			9	3
Bremerton	11		3				5	3
Kittitas	2	1					1	
Ellensburg								
Klickitat	2			1			1	
Lewis	8	1	1	2			4	
Centralia	6	1		2			3	
Lincoln	1	1						
Mason	7	1	2	1			3	
Okanogan	5						4	1
Pacific	2	1					1	
Pend Oreille	3			2			1	
Pierce	98	3	29	21		4	33	8
Puyallup	4			1			1	2
Tacoma	33	3	10	7			10	3
San Juan								
Skagit	10		1	2			2	5
Anacortes								
Mount Vernon	3						1	2
Skamania	1					1		
Snohomish	49	1	12	12			17	7
Edmonds	3		1	1			1	
Everett	9		2	4			1	2
Lynnwood	7		2	1			3	1
Marysville								
Mountlake Terrace	3		1				2	
Spokane	37	5	8	9		1	12	2
Spokane (city)	23	2	5	5			10	1
Stevens	6	1	1	1				3
Thurston	16		3	4		1	4	4
Lacey	2			1			1	
Olympia	7		2	2			2	1
Wahkiakum								
Walla Walla	6	2	2				1	1
Walla Walla (city)	4	2	1				1	
Whatcom	14		1	2		1	5	5
Bellingham	3			1			1	1
Whitman	5			3				2
Pullman	2			1				1
Yakima	44	4	9	15			7	9
Sunnyside								
Yakima (city)	20	2	4	6			3	5

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Table 42. Matched Infant Deaths by Mother's Race by Place of Residence, Washington State 1990[1]

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic[2]
State Totals	620	480	49	40	2		3	11		35	45
Adams	4	4									3
Asotin	5	4								1	
Benton	22	22									4
Kennewick	12	12									
Richland	3	3									
Chelan	10	9								1	3
Wenatchee	7	7									2
Clallam	7	7									
Port Angeles	2	2									
Clark	22	20		1						1	2
Vancouver	6	6									1
Columbia											
Cowlitz	14	14									
Kelso	2	2									
Longview	5	5									
Douglas	3	2								1	
Ferry	3	1		2							
Franklin	8	8									6
Pasco	6	6									5
Garfield											
Grant	12	11								1	3
Moses Lake	4	3								1	
Grays Harbor	7	5		1						1	
Aberdeen	1									1	
Island	6	3	1				1			1	
Oak Harbor	5	2	1				1			1	
Jefferson	1	1									
King	156	99	27	8			2	4		16	4
Auburn	2			2							
Bellevue	7	4						2		1	1
Bothell											
Des Moines	2	2									
Federal Way	5	4	1								
Kent	12	5	4	1				1		1	
Kirkland	4	4									
Mercer Island	1	1									
Redmond	3	3									
Renton	7	4	2							1	
Sea Tac											
Seattle	58	27	18	3			2	1		7	2
Tukwila	1	1									
Kitsap	24	19	2	1				1		1	
Bremerton	11	8	1	1				1			
Kittitas	2	2									
Ellensburg											
Klickitat	2	1		1							
Lewis	8	8									
Centralia	6	6									
Lincoln	1	1									
Mason	7	6								1	
Okanogan	5	1		4							
Pacific	2	2									
Pend Oreille	3	2		1							
Pierce	98	74	16	3	1			2		2	3
Puyallup	4	4									
Tacoma	33	26	6							1	2
San Juan											
Skagit	10	10									
Anacortes	2	2									
Mount Vernon	3	3									
Skamania	1	1									
Snohomish	49	40	1	3				2		3	1
Edmonds	3	2		1							
Everett	9	8						1			
Lynnwood	7	6						1			1
Marysville	1									1	
Mountlake Terrace	3	3									
Spokane	37	32	1	2				1		1	1
Spokane (city)	23	19	1	2				1			
Stevens	6	4		2							1
Thurston	16	15								1	
Lacey	2	2									
Olympia	7	6								1	
Wahkiakum											
Walla Walla	6	5								1	2
Walla Walla (city)	4	4									2
Whatcom	14	11		2						1	
Bellingham	3	2		1							
Whitman	5	4			1						
Pullman	2	1			1						
Yakima	44	32	1	9				1		1	12
Sunnyside	2	2									2
Yakima (city)	20	15	1	2				1		1	4

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[1] Tables prior to data year 1987 use infant's race at death.
[2] Hispanic numbers are not included in total sum. Total Hispanic origin not stated is 21.

Table 43. Matched Infant Deaths by Child's Race at Birth by Place of Residence, Washington State 1990[1]

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic[2]
State Totals	620	477	53	40	2		2	11		35	69
Adams	4	4									4
Asotin	5	4								1	
Benton	22	22									8
Kennewick	12	12									3
Richland	3	3									
Chelan	10	9								1	3
Wenatchee	7	7									2
Clallam	7	7									
Port Angeles	2	2									
Clark	22	20		1						1	3
Vancouver	6	6									1
Columbia											
Cowlitz	14	14									1
Kelso	2	2									
Longview	5	5									
Douglas	3	2								1	
Ferry	3	1		2							
Franklin	8	8									6
Pasco	6	6									5
Garfield											
Grant	12	11								1	3
Moses Lake	4	3								1	
Grays Harbor	7	5		1						1	
Aberdeen	1									1	
Island	6	3	2							1	
Oak Harbor	5	2	2							1	
Jefferson	1	1									1
King	156	99	27	8			2	4		16	4
Auburn	2			2							
Bellevue	7	4						2		1	1
Bothell											
Des Moines	2	2									
Federal Way	5	4	1								
Kent	12	5	4	1				1		1	
Kirkland	4	4									
Mercer Island	1	1									
Redmond	3	3									
Renton	7	4	2							1	
Sea Tac											
Seattle	58	27	18	3			2	1		7	2
Tukwila	1	1									
Kitsap	24	19	2	1				1		1	
Bremerton	11	8	1	1				1			
Kittitas	2	2									
Ellensburg											
Klickitat	2	1		1							
Lewis	8	8									1
Centralia	6	6									1
Lincoln	1	1									
Mason	7	6								1	
Okanogan	5	1		4							
Pacific	2	1		1							
Pend Oreille	3	2		1							
Pierce	98	72	19	2	1			2		2	7
Puyallup	4	4									
Tacoma	33	26	6							1	2
San Juan											
Skagit	10	10									1
Anacortes	2	2									
Mount Vernon	3	3									1
Skamania	1	1									
Snohomish	49	40	1	3				2		3	2
Edmonds	3	2	1		1		1				1
Everett	9	8						1			
Lynnwood	7	6						1			1
Marysville	1									1	
Mountlake Terrace	3	3									
Spokane	37	32	1	2				1		1	2
Spokane (city)	23	19	1	2				1			
Stevens	6	4		2							1
Thurston	16	15								1	1
Lacey	2	2									
Olympia	7	6								1	
Wahkiakum											
Walla Walla	6	5								1	3
Walla Walla (city)	4	4									3
Whatcom	14	11		2						1	
Bellingham	3	2		1							
Whitman	5	4			1						
Pullman	2	1			1						
Yakima	44	32	1	9				1		1	18
Sunnyside	2	2									2
Yakima (city)	20	15	1	2				1		1	6

[1] Tables prior to data year 1987 use infant's race at death.

[2] Hispanic numbers are not included in total sum. Total number of Hispanic origin not stated is 102.

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Table 44. Matched Infant Deaths[1] by Mother's Age Group by Place of Residence[2], Washington State 1990

County and City	Total	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Totals	620	5	103	183	157	101	41	3	2	25
Adams	4		1	1	2					
Asotin	5		1	3						1
Benton	22		5	7	4	4	2			
Kennewick	12		3	2	2	3	2			
Richland	3		1	2						
Chelan	10			1	5	2	2			
Wenatchee	7			1	3	2	1			
Clallam	7		1	2		3	1			
Port Angeles	2		1	1						
Clark	22		6	4	7	2	2			1
Vancouver	6		2	2	2					
Columbia										
Cowlitz	14		4	4	4	1	1			
Kelso	2		2							
Longview	5		2		2		1			
Douglas	3			1		1				1
Ferry	3		2		1	1				
Franklin	8			2	2	3	1			
Pasco	6			1	2	3				
Garfield										
Grant	12		2	1	6	2				1
Moses Lake	4			1	2					1
Grays Harbor	7			3	2			1		1
Aberdeen	1									1
Island	6			3	2					1
Oak Harbor	5			3	1					1
Jefferson	1					1				
King	156	1	17	41	31	37	16	1		12
Auburn	2		1	1						
Bellevue	7			2		4				1
Bothell										
Des Moines	2		1	1						
Federal Way	5			2	2	1				
Kent	12		2	4	2	3				1
Kirkland	4			1	2		1			
Mercer Island	1			1						
Redmond	3					3				
Renton	7		1	2	3	1				
Sea Tac										
Seattle	58	1	6	19	9	8	8	1		6
Tukwila	1		1							
Kitsap	24		3	11	5	4			1	
Bremerton	11		1	7	3					
Kittitas	2			1	1					
Ellensburg										
Klickitat	2			2						
Lewis	8		2	1	2	1	1	1		
Centralia	6	2		1	1	1	1			
Lincoln	1				1					
Mason	7		3	4						
Okanogan	5		2	1	2					
Pacific	2			1	1					
Pend Oreille	3			1	1	1				
Pierce	98	2	18	32	26	11	8			1
Puyallup	4				2	2				
Tacoma	33	1	8	10	10	1	3			
San Juan										
Skagit	10		1	1	7	1				
Anacortes	2			1	1					
Mount Vernon	3				3					
Skamania	1		1							
Snohomish	49	1	7	12	13	11	3			2
Edmonds	3		1		1	1				
Everett	9		1	2	2	3	1			
Lynnwood	7	1	1	4		1				
Marysville	1					1				
Mountlake Terrace	3				2	1				
Spokane	37		8	10	12	4	1		1	1
Spokane (city)	23		6	7	7	3				
Stevens	6		3	2	1					
Thurston	16		4	7	3	2				
Lacey	2			1	1					
Olympia	7		2	3	1	1				
Wahkiakum										
Walla Walla	6		2			2	1			1
Walla Walla (city)	4	2				2				
Whatcom	14		4	5	3	1				1
Bellingham	3		2	1						
Whitman	5		1	2	2					
Pullman	2			2						
Yakima	44	1	5	17	12	6	2			1
Sunnyside	2	1		1						
Yakima (city)	20		2	6	8	2	1			1

[1] Deaths are matched with births to find mother's age.

[2] Residence is the infant's at the time of death.

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Table 45. Fetal, Perinatal, Neonatal, and Infant Mortality by Place of Residence, Washington State 1990

County and City	Fetal Deaths Number	Fetal Deaths Ratio[1]	Perinatal Mortality[2] Number	Perinatal Mortality[2] Rate[3]	Neonatal Mortality Number	Neonatal Mortality Rate[4]	Infant Mortality Number	Infant Mortality Rate[4]
State Totals	462	5.8	729	9.2	332	4.2	620	7.8
Adams	2	7.3	3	10.8	1	3.6	4	14.5
Asotin	2	7.4	4	14.7	2	7.4	5	18.5
Benton	7	3.6	15	7.7	10	5.2	22	11.4
Kennewick	1	1.1	6	6.8	7	8.0	12	13.7
Richland	2	4.0	2	4.0			3	6.1
Chelan	9	9.0	11	10.8	6	6.0	10	10.0
Wenatchee	3	6.9	3	6.9	4	9.2	7	16.1
Clallam	9	11.9	13	16.9	4	5.3	7	9.2
Port Angeles	1	3.6	2	7.1	1	3.6	2	7.2
Clark	11	2.7	21	5.2	11	2.7	22	5.4
Vancouver	5	2.6	9	4.7	4	2.1	6	3.1
Columbia								
Cowlitz	9	6.6	15	11.0	8	5.9	14	10.3
Kelso					1	4.5	2	9.0
Longview	7	11.7	9	14.9	3	5.0	5	8.4
Douglas	2	4.5	4	9.0	2	4.5	3	6.8
Ferry			2	23.5	2	23.5	3	35.3
Franklin	7	7.7	11	12.0	6	6.6	8	8.8
Pasco	5	7.8	8	12.4	5	7.8	6	9.4
Garfield								
Grant	3	3.0	8	8.0	6	6.0	12	12.0
Moses Lake			1	4.6	1	4.6	4	18.5
Grays Harbor	9	9.5	13	13.6	6	6.3	7	7.4
Aberdeen			1	3.6	1	3.6	1	3.6
Island	7	6.6	9	8.5	2	1.9	6	5.7
Oak Harbor	4	7.7	5	9.6	1	1.9	5	9.6
Jefferson	3	13.9	3	13.7	1	4.6	1	4.6
King	147	6.4	223	9.7	95	4.1	156	6.8
Auburn	10	15.7	10	15.5	1	1.6	2	3.1
Bellevue	7	6.7	10	9.5	4	3.8	7	6.7
Bothell								
Des Moines	1	4.7	2	9.4	1	4.7	2	9.4
Federal Way								
Kent	8	10.6	14	18.3	7	9.3	12	15.9
Kirkland	4	6.3	6	9.3	2	3.1	4	6.3
Mercer Island			1	4.7	1	4.7	1	4.7
Redmond	5	9.9	6	11.8	2	4.0	3	5.9
Renton	5	7.0	8	11.1	3	4.2	7	9.7
Sea Tac								
Seattle	62	8.7	95	13.1	40	5.6	58	8.1
Tukwila								
Kitsap	18	5.3	27	7.9	11	3.2	24	7.0
Bremerton	7	5.9	10	8.4	4	3.4	11	9.3
Kittitas			1	3.1	1	3.1	2	6.2
Ellensburg								
Klickitat	1	4.3	1	4.3			2	8.6
Lewis	5	5.6	8	8.9	3	3.4	8	8.9
Centralia	2	8.1	4	16.0	2	8.1	6	24.2
Lincoln	1	10.3	2	20.4	1	10.3	1	10.3
Mason	2	3.9	5	9.8	3	5.9	7	13.8
Okanogan	1	1.8	1	1.8			5	9.0
Pacific	1	4.4	1	4.3			2	8.7
Pend Oreille	1	7.2	2	14.4	1	7.2	3	21.7
Pierce	60	5.7	104	9.8	54	5.1	98	9.3
Puyallup	1	2.1	3	6.2	3	6.2	4	8.3
Tacoma	18	5.1	35	9.9	21	6.0	33	9.4
San Juan								
Skagit	4	3.2	5	4.0	1	.8	10	8.1
Mount Vernon	3	8.2	3	8.1			3	8.2
Anacortes								
Skamania							1	9.7
Snohomish	40	4.8	57	6.8	24	2.9	49	5.9
Edmonds	1	2.2	1	2.1	2	4.3	3	6.5
Everett	14	7.6	19	10.2	6	3.2	9	4.9
Lynnwood	3	3.8	4	5.1	1	1.3	7	8.9
Marysville								
Mountlake Terrace	3	8.9	4	11.8	1	3.0	3	8.9
Spokane	37	6.7	55	9.8	22	4.0	37	6.7
Spokane (city)	26	7.3	35	9.8	12	3.4	23	6.5
Stevens	3	7.5	6	15.0	3	7.5	6	15.1
Thurston	10	4.2	18	7.6	9	3.8	16	6.8
Lacey			1	3.5	1	3.5	2	7.0
Olympia	6	8.4	10	13.9	4	5.6	7	9.8
Wahkiakum								
Walla Walla	4	6.1	7	10.6	4	6.1	6	9.1
Walla Walla (city)	2	5.3	4	10.5	3	7.9	4	10.6
Whatcom	11	6.2	14	7.9	4	2.3	14	7.9
Bellingham	3	4.5	4	6.0	1	1.5	3	4.5
Whitman	3	7.5	6	14.9	4	10.0	5	12.5
Pullman					1	4.9	2	9.9
Yakima	33	8.2	54	13.3	25	6.2	44	11.0
Sunnyside								
Yakima (city)	10	8.1	19	15.3	11	8.9	20	16.2

[1] Ratio per 1,000 live births.

[2] Fetal deaths plus liveborn infants dying at 6 days and under.

[3] Rate per 1,000 live births plus fetal deaths.

[4] Rate per 1,000 live births.

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Table 46. Fetal, Perinatal, Neonatal and Infant Mortality by Place of Occurrence, Washington State 1990

County and City	Fetal Deaths Number	Fetal Deaths Ratio[1]	Perinatal Mortality[2] Number	Perinatal Mortality[2] Rate[3]	Neonatal Mortality Number	Neonatal Mortality Rate[4]	Infant Mortality Number	Infant Mortality Rate[4]
State Totals	473	6.1	737	9.4	329	4.2	616	7.9
Adams	1	2.9	3	8.7	2	5.8	3	8.7
Asotin							3	
Benton	9	3.7	15	6.2	8	3.3	18	7.4
Kennewick	2	2.0	3	2.9	2	2.0	6	5.9
Richland	5	4.9	8	7.8	4	3.9	9	8.8
Chelan	9	6.4	9	6.4	1	.7	3	2.1
Wenatchee	9	7.1	9	7.1	1	.8	3	2.4
Clallam	8	10.6	10	13.1	2	2.6	4	5.3
Port Angeles	7	10.7	9	13.7	2	3.1	3	4.6
Clark	10	3.9	12	4.6	2	.8	9	3.5
Vancouver	10	3.9	12	4.6	2	.8	9	3.5
Columbia								
Cowlitz	10	6.8	11	7.4	2	1.4	8	5.4
Kelso								
Longview	10	6.8	11	7.4	2	1.4	8	5.4
Douglas							1	125.0
Ferry							1	71.4
Franklin	7	10.6	8	12.0	1	1.5	2	3.0
Pasco	7	10.7	8	12.1	1	1.5	2	3.1
Garfield								
Grant	3	3.9	4	5.2	1	1.3	4	5.3
Moses Lake	2	2.9	3	4.3	1	1.4	4	5.7
Grays Harbor	4	5.3	7	9.2	4	5.3	5	6.6
Aberdeen	3	4.0	6	8.0	3	4.0	3	4.0
Island	5	6.2	5	6.2			3	3.7
Oak Harbor								
Jefferson	3	19.5	3	19.1	1	6.5	1	6.5
King	176	6.6	290	10.8	152	5.7	237	8.9
Auburn	10	12.0	11	13.0	1	1.2	3	3.6
Bellevue	12	4.7	14	5.4	2	.8	6	2.3
Bothell								
Des Moines								
Federal Way								
Kent							6	240.0
Kirkland	16	6.8	21	8.9	5	2.1	8	3.4
Mercer Island								
Redmond	3	1.9	3	1.9	1	.6	1	.6
Renton	17	5.4	21	6.7	4	1.3	9	2.9
Sea Tac								
Seattle	108	7.7	208	14.6	135	9.6	194	13.8
Tukwila								
Kitsap	15	5.2	18	6.2	4	1.4	16	5.5
Bremerton	8	3.6	9	4.0	2	.9	8	3.6
Kittitas								
Ellensburg								
Klickitat	2	3.9	2	3.9			1	2.0
Lewis	6	6.8	8	9.1	2	2.3	7	8.0
Centralia	6	8.3	8	11.0	2	2.8	7	9.7
Lincoln								
Mason	2	7.1	4	14.2	2	7.1	5	17.9
Okanogan	3	5.1	3	5.1			5	8.5
Pacific	1	11.4	1	11.2				
Pend Oreille								
Pierce	58	5.3	105	9.5	56	5.1	103	9.4
Puyallup	9	6.0	11	7.3	2	1.3	10	6.7
Tacoma	39	5.7	66	9.6	34	5.0	64	9.4
San Juan								
Skagit	6	4.0	6	4.0			5	3.3
Anacortes								
Mount Vernon	5	5.5	5	5.5			3	3.3
Skamania							2	19.4
Snohomish	31	5.4	34	5.9	5	.9	26	4.6
Edmonds	7	4.0	9	5.1	2	1.1	4	2.3
Everett	20	6.4	20	6.3	1	.3	10	3.2
Lynnwood							4	153.8
Marysville								
Mountlake Terrace							4	307.7
Spokane	48	7.6	93	14.7	53	8.4	82	13.1
Spokane (city)	47	8.1	90	15.4	51	8.8	79	13.6
Stevens	2	6.9	2	6.8				
Thurston	8	3.7	12	5.5	4	1.8	7	3.2
Lacey								
Olympia	7	3.2	11	5.1	4	1.8	6	2.8
Wahkiakum								
Walla Walla	5	5.6	7	7.7	2	2.2	5	5.6
Walla Walla (city)	5	5.6	7	7.8	2	2.2	5	5.6
Whatcom	10	5.9	12	7.0	2	1.2	10	5.9
Bellingham	10	5.9	12	7.1	2	1.2	6	3.6
Whitman	2	5.7	3	8.6	1	2.9	1	2.9
Pullman	2	6.5	3	9.7	1	3.3	1	3.3
Yakima	29	7.6	50	13.0	22	5.7	39	10.2
Sunnyside								
Yakima (city)	22	7.8	41	14.5	19	6.8	30	10.7

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[1] Ratio per 1,000 births.
[2] Fetal Deaths plus liveborn infants dying at 6 days and under.
[3] Rate per 1,000 live births plus fetal deaths.
[4] Rate per 1,000 live births.

Table 47. Fetal Mortality by Sex and Weight, Washington State Residents 1990

Gram Weight	Total	Male	Female	Unknown
State Totals	462	250	205	7
1,000 grams or less	172	94	76	2
1,001 - 1,500	45	29	16	
1,501 - 2,000	36	19	17	
2,001 - 2,500	33	15	18	
2,501 - 3,000	35	18	17	
3,001 - 3,500	39	24	15	
3,501 - 4,000	17	14	3	
4,001 - 4,500	12	5	7	
4,501 and over	5	3	2	
Not Stated	68	29	34	5

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Table 48. Fetal Mortality by Cause, Washington State Residents 1990

Cause with International List Number		Totals
Total All Causes		462
Congenital Anomalies (740-759)		56
Anencephalus (740)	8	
Spina Bifida (741)	3	
Other Anomalies of the Central Nervous System (742)	8	
Anomalies of the Heart (745-746)	6	
Other Anomalies of Circulatory System (747)		
Anomalies of Respiratory System (748)	2	
Anomalies of Digestive System (749-751)	3	
Anomalies of the Genitourinary System (752-753)	5	
Anomalies of Musculoskeletal System (754-756)	3	
Chromosomal Anomalies (758)	8	
Other and Unspecified Congenital Anomalies (743-744,757,759)	10	
Certain Causes of Perinatal Morbidity and Mortality (760-779)		404
Maternal Conditions which may be Unrelated to Pregnancy (760)		
Chronic Hypertension (760.0)	8	
Maternal Infections (760.2)	5	
Maternal Injury (760.5)	3	
Other Maternal Conditions (760.1,760.3-760.4,760.6-760.9)	3	
Maternal Conditions Related to Pregnancy (761)		
Incompetent Cervix (761.0)	9	
Premature Rupture of Membranes (761.1)	19	
Other Maternal Conditions (761.2-761.9)	13	
Complications of Placenta, Cord, and Membranes (762)		
Complications of Placenta (762.0-762.3)	86	
Complications of Cord (762.4-762.6)	88	
Complications of Membranes (762.7-762.9)	15	
Complications of Labor (763)		
Other Complications of Pregnancy and Childbirth (764-767)	30	
Intrauterine Hypoxia (768)	13	
Diseases of the Fetus and Ill-defined Causes (769-779)		
Respiratory Conditions (769-770)	2	
Infections Specific to the Perinatal Period (771)	2	
Fetal Hemorrhage (772)	1	
Haemolytic Disease and Other Perinatal Jaundice (773-774)		
Endocrine and Metabolic Disturbances (775)	3	
Haematological Disorders (776)	1	
Disorders of Digestive System (777)		
Conditions Involving the Integument and Temperature Regulation (778)	3	
Other Conditions of Fetus (779)	100	
All Other Causes (001-739,780-799)		2

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Table 49. Fetal Deaths by Mother's Age Group by Place of Residence, Washington State 1990

County	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Totals	462	2	29	35	99	122	102	48	8		17
Adams	2				1	1					
Asotin	2			1			1				
Benton	7			1	3	1	2				
Chelan	9			1	1	3	2				2
Clallam	9		1			5	2		1		
Clark	11		1	2	1	2	3	1	1		
Columbia											
Cowlitz	9			1	3	2		2			1
Douglas	2			1		1					
Ferry											
Franklin	7		1	1	1	4					
Garfield											
Grant	3				2	1					
Grays Harbor	9		1		2	2	3	1			
Island	7				4	1		2			
Jefferson	3				2		1				
King	147		9	8	25	38	40	19	3		5
Kitsap	18		1	3	5	4	3	2			
Kittitas											
Klickitat	1			1							
Lewis	5					5					
Lincoln	1							1			
Mason	2					1					1
Okanogan	1					1					
Pacific	1				1						
Pend Oreille	1				1						
Pierce	60	2	3	1	21	15	12	4	1		1
San Juan											
Skagit	4			1	1	1	1				
Skamania											
Snohomish	40		3	3	8	9	9	5	1		2
Spokane	37		2	6	6	9	10	4			
Stevens	3			1		2					
Thurston	10		1			1	4				4
Wahkiakum											
Walla Walla	4		1			1	1	1			
Whatcom	11		2		1	3	3	1	1		
Whitman	3				2		1				
Yakima	33		3	3	8	9	4	5			1

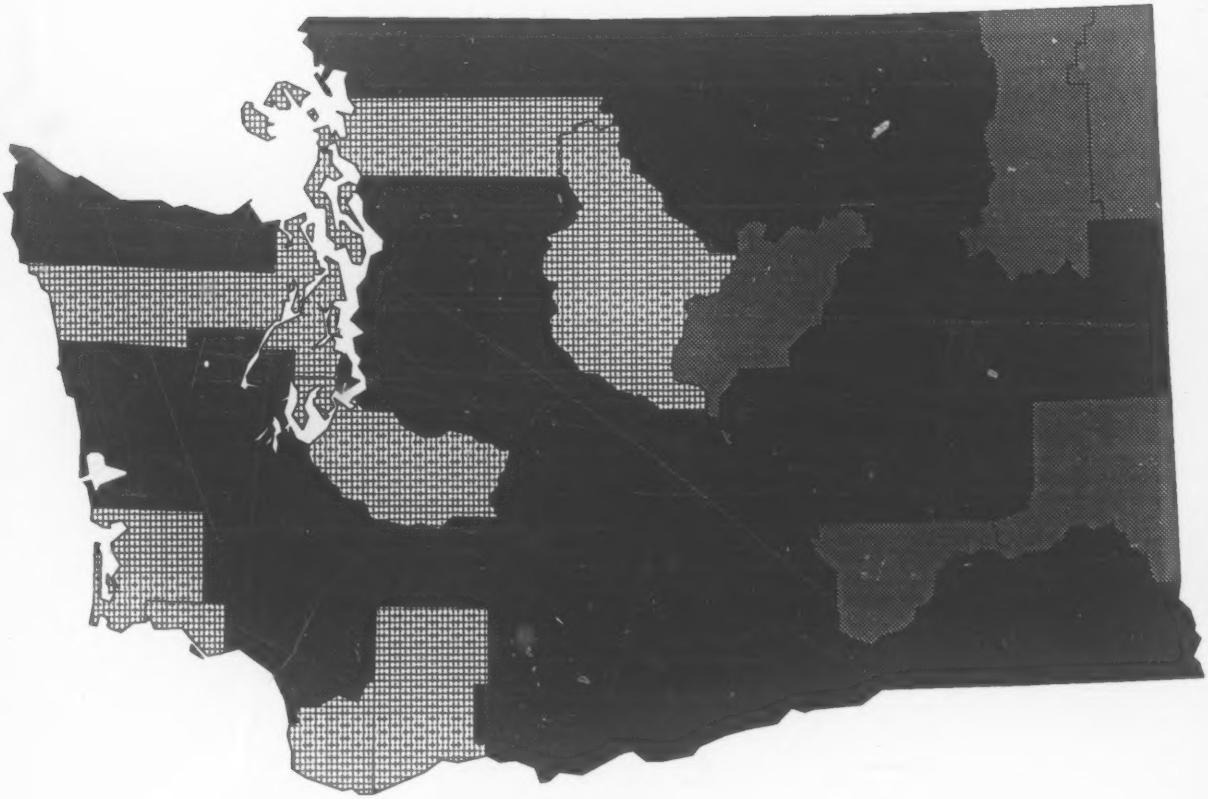
S02650A-HSB

MARRIAGES
&
DISSOLUTIONS

MARRIAGES
&
DISSOLUTIONS

MARRIAGES
&
DISSOLUTIONS

Marriages



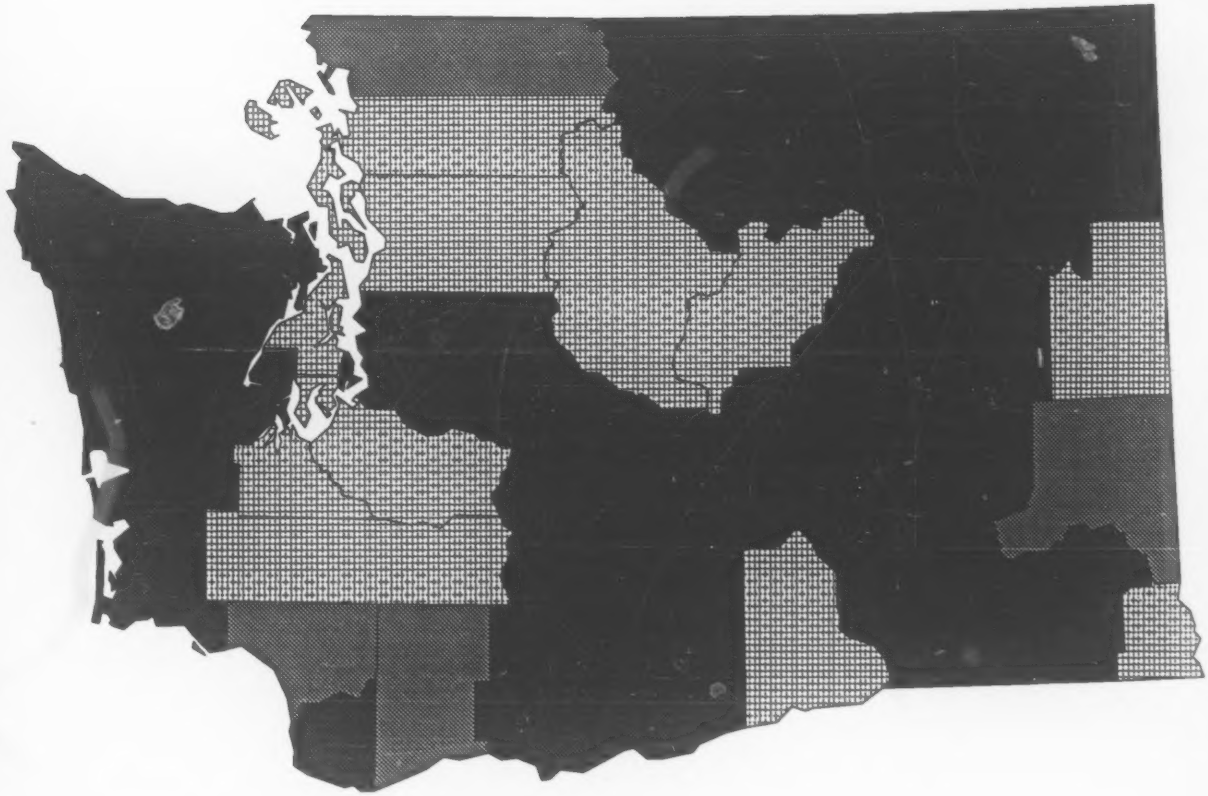
Washington State, 1990

(Occurrences)

Marriages/1,000 population

▒ 0 - 6
■ 7 - 10
▦ 11 or More

Dissolutions



Washington State, 1990

(Based on Wife's Residence)

Divorces/1,000 population

▨ 0 - 3
■ 4 - 5
▦ 6 or More

Table 50. Marriages by County of Marriage by Bride and Groom Age Group, Washington State Occurrences 1990

County		Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Unk
State Total	Bride	46,492	4	4,660	13,447	10,529	6,710	4,464	2,900	1,604	754	385	342	268	151	89	33	8	144
	Groom	46,492	1	1,715	11,462	11,739	7,638	4,907	3,429	2,162	1,196	687	485	371	274	153	75	35	163
Adams	Bride	117		32	38	19	14	2	6	1	1	1	1	1		1			
	Groom	117		14	33	33	12	6	7	5		1	2	2			2		
Asotin	Bride	119		15	33	23	15	20	6	1	1		1	2		1			1
	Groom	119		6	29	30	21	14	4	10		1	1	1	1	1			
Benton	Bride	999		156	321	184	126	84	49	33	15	10	10	3	1	1			6
	Groom	999		66	283	234	155	87	66	36	19	20	10	9	4	3			7
Chelan	Bride	724		80	196	143	102	72	42	38	24	6	10	1	3	4	1		4
	Groom	724		28	179	162	104	77	58	42	25	18	11	5	7	4		2	2
Clallam	Bride	543		76	152	95	76	53	31	20	13	5	5	4	5	3	1	1	3
	Groom	543		21	142	118	85	64	44	21	13	9	5	7	2	4	5	3	
Clark	Bride	3,657		394	978	741	550	356	299	160	67	34	32	21	11	6	4		4
	Groom	3,657		154	825	816	593	452	310	205	114	57	51	37	23	11	5	1	3
Columbia	Bride	41		8	18	3	3	4	4	1									
	Groom	41		2	11	16	4	3	1	3	1								
Cowlitz	Bride	779		142	243	125	95	69	48	21	6	6	6	4	8	2			4
	Groom	779		62	238	162	114	63	53	31	19	12	5	6	4	4	2	1	3
Douglas	Bride	133		27	31	32	16	7	6	6		1	2	2		2	1		
	Groom	133		12	47	21	17	14	9	2	2		2	2	3		1		1
Ferry	Bride	49		7	15	8	7	9	3										
	Groom	49		4	14	9	9	7	5	1									
Franklin	Bride	208	1	40	67	39	25	18	2	5	2	3	1	2	1	1			1
	Groom	208		23	60	45	30	21	8	6	1	2	5		3	3			1
Garfield	Bride	15			7	2	2	2		2									
	Groom	15			4	2	2	2	2	1	1				1				
Grant	Bride	391		86	127	72	30	32	18	8	3	4	2	4	2				3
	Groom	391		32	138	86	45	27	20	16	7	7		5	4	2			
Grays Harbor	Bride	624		78	172	106	86	67	50	26	12	9	8	4	2	1			3
	Groom	624		35	134	140	95	78	55	26	21	12	11	11	4	1			1
Island	Bride	647		76	194	140	84	80	35	11	10	5	7	3	1	1			
	Groom	647		30	203	152	92	56	49	27	6	10	8	7	2	3			2
Jefferson	Bride	269		20	60	54	46	40	21	14	4	3	2	3		2			
	Groom	269		1	46	64	29	57	29	14	12	10	2	1	3		1		
King	Bride	14,302		774	3,898	3,883	2,339	1,453	898	456	233	102	81	76	34	17	6	3	49
	Groom	14,302		240	2,848	4,104	2,753	1,614	1,108	657	384	189	136	83	66	37	21	10	52
Kitsap	Bride	2,000		252	621	407	272	181	121	59	36	14	8	8	4	8	1		8
	Groom	2,000	1	87	595	498	296	187	130	88	43	23	15	8	14	5	4	1	5
Kittitas	Bride	230		18	78	34	34	15	23	13	5		5	3		2			
	Groom	230		10	59	53	29	24	14	13	8	5	4	7	1	1		2	
Klickitat	Bride	126		18	28	21	18	19	8	3		1	3	3	3			1	
	Groom	126		7	32	24	14	16	12	5	3	4	2	3	4				
Lewis	Bride	597		118	170	93	84	46	18	30	7	5	7	10	5	3	1		
	Groom	597		43	159	136	71	66	37	27	13	5	12	10	11	4	2		1
Lincoln	Bride	60		6	33	6	6	3	1	2		2				1			
	Groom	60		2	20	17	8	3	5	1			1		2				1
Mason	Bride	310		36	74	73	48	23	23	14	5	3	5	3	2	1			
	Groom	310		13	70	73	56	26	23	14	7	7	7	6	2	2		2	
Okanogan	Bride	301	1	40	83	52	38	35	16	12	8	6	4	3		1	1		1
	Groom	301		16	67	78	43	25	20	16	16	6	5	4	2	2		1	
Pacific	Bride	236		27	51	47	33	27	15	12	7	6	5	4	1				1
	Groom	236		9	50	43	38	25	21	15	4	6	8	8	5	2	1		1
Pend Oreille	Bride	57		7	11	12	9	9	5	2	1			1					
	Groom	57		3	6	14	7	9	9	2	3	1	2	1					
Pierce	Bride	6,208		714	1,975	1,335	841	560	325	210	101	38	41	22	21	5	3	1	16
	Groom	6,208		281	1,815	1,512	936	595	411	255	141	78	61	41	26	11	8	1	36
San Juan	Bride	245		6	32	48	62	37	32	20	3	1	2	1			1		
	Groom	245		2	11	50	44	54	39	20	12	6	2	2	1	1			1
Skagit	Bride	865		94	242	181	121	86	55	36	12	9	12	8	3	2		1	3
	Groom	865		28	249	181	133	80	70	47	27	16	9	9	5	7		4	
Skamania	Bride	142		14	27	22	21	18	14	9	6	4	2	2	1	1	1		
	Groom	142		5	21	23	27	16	14	10	8	6	4	5	1	1		1	
Snohomish	Bride	3,849		370	1,098	858	568	375	267	143	60	34	23	19	12	9			13
	Groom	3,849		122	930	960	653	425	278	193	114	65	31	22	25	10	6	1	14
Spokane	Bride	2,555	1	287	830	607	314	203	131	78	28	23	16	15	7	7	3		5
	Groom	2,555		107	731	676	403	227	157	101	40	36	22	18	21	8	4	1	3
Stevens	Bride	190		37	49	26	21	30	10	7	4	2	2	1	1				
	Groom	190		18	45	40	29	19	17	6	5	4	1	2	1	1	1		1
Thurston	Bride	1,510		162	430	316	201	138	121	54	33	15	9	13	7	2	4	1	4
	Groom	1,510		54	396	335	228	154	115	88	46	27	15	18	10	6	9	1	8
Wahkiakum	Bride	35		6	6	1	8	4	5	2	1		1			1			
	Groom	35			10	5	5	4	5	2	2		1			1			
Walla Walla	Bride	421		50	120	83	46	55	28	14	4	4	4	5	2	2	1		3
	Groom	421		19	118	91	61	51	28	23	11	4	3	4	3	4	1		
Whatcom	Bride	1,155		114	343	263	145	103	82	38	17	15	8	10	9	1	2		5
	Groom	1,155		46	291	281	161	111	104	60	32	22	9	13	8	7	2		8
Whitman	Bride	196		14	91	47	14	10	9	4	1	2	2	1	1				
	Groom	196			73	55	27	14	10	7	4		2	1		2			1
Yakima	Bride	1,587	1	259	505	328	190	119	73	41	24	12	15	6	4	1	2		7
	Groom	1,587		113	480	398	209	132	82	66	32	18	20	13	5	5		3	11

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Table 51. Dissolutions, Annulments, and Separate Maintenances by County of Decree, Washington State Occurrences 1990

County	Total	Dissolution	Annulment	Separate Maintenance	Not Stated
State Totals	28,687	28,240	159	263	25
Adams	51	51			
Asotin	114	112	1	1	
Benton	681	677	1	3	
Chelan	439	435	2	2	
Clallam	300	300			
Clark	1,408	1,393	3	12	
Columbia	18	18			
Cowlitz	561	555	2	4	
Douglas	37	37			
Ferry	32	31			1
Franklin	193	187	3	3	
Garfield	17	17			
Grant	236	236			
Grays Harbor	361	355	4		2
Island	366	363	1	1	1
Jefferson	100	100			
King	8,097	7,964	35	97	1
Kitsap	1,170	1,143	11	11	5
Kittitas	115	115			
Klickitat	74	74			
Lewis	354	350	2	1	1
Lincoln	1,639	1,609	12	18	
Mason	151	148	1	2	
Okanogan	132	127			5
Pacific	84	83	1		
Pend Oreille	31	31			
Pierce	3,598	3,527	28	40	3
San Juan	57	56		1	
Skagit	504	500	4		
Skamania	44	44			
Snohomish	2,672	2,626	15	30	1
Spokane	1,891	1,858	15	18	
Stevens	138	137	1		
Thurston	1,075	1,057	6	12	
Wahkiakum	19	18	1		
Walla Walla	253	249	1	2	1
Whatcom	580	570	4	3	3
Whitman	98	95	1	1	1
Yakima	997	992	4	1	

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Table 52. Dissolutions by County of Divorce by Husband's and Wife's Age Group, Washington State Occurrences 1990

County		Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Unk
State Totals	Wife	28,240	4	251	3,172	5,491	5,296	4,586	3,432	2,022	941	510	276	168	79	38	19	8	1,947
	Husband	28,240	1	43	1,832	4,669	5,343	4,808	3,944	2,579	1,427	828	477	304	140	82	32	13	1,718
Adams	Wife	51			5	15	8	6	7	4		2	1	1					2
	Husband	51			3	12	8	6	8	4	3		2		2				3
Asotin	Wife	112			8	26	19	20	16	9	5	2	1	2		1			3
	Husband	112			4	19	19	26	15	6	8	5	1	3	1	2			3
Benton	Wife	677	2	5	87	134	115	124	83	50	25	10	10	3	2	2			25
	Husband	677		2	52	113	128	123	96	72	27	28	9	4	3	6	1		13
Chelan	Wife	435		7	56	92	76	81	57	25	11	5	6	4	1	2			12
	Husband	435		2	19	96	88	81	58	30	23	15	4	1	3	4	1		10
Clallam	Wife	300		2	23	45	69	48	38	29	5	6	7	1	4				23
	Husband	300			12	38	56	47	48	35	17	9	6	6	6	3			17
Clark	Wife	1,393		19	153	269	271	219	167	115	48	23	9	8	2	1	1		88
	Husband	1,393		1	89	243	269	241	205	131	65	33	23	17	9	2	1	2	62
Columbia	Wife	18		2	2	7	1	5		1									
	Husband	18			3	2	5	6	1	1									
Cowlitz	Wife	555		8	71	111	108	103	69	32	18	8	4	3	2	1	1		16
	Husband	555		3	52	96	104	103	74	52	30	4	13	3	2	5			14
Douglas	Wife	37		1	1	9	8	6	3	2	4	1							2
	Husband	37			1	6	9	8	3	2	4	3							1
Ferry	Wife	31			2	5	8	5	3	2	1	2			1				2
	Husband	31			1	2	7	9	3	1	2	2	1	1					2
Franklin	Wife	187		3	19	45	27	26	17	15	9	1	2	1	2				20
	Husband	187			14	34	33	22	25	18	7	4	5	1	1	1			22
Garfield	Wife	17				3	1	2	4	3	1	3							
	Husband	17			1	1	1	3	1	2	2	6							
Grant	Wife	236		5	28	54	37	37	32	16	9	2	3	1	1	1			10
	Husband	236			16	43	42	42	22	23	19	4	3	4	2	1	1		14
Grays Harbor	Wife	355		3	42	67	56	64	44	24	15	7	3	1					29
	Husband	355		1	15	66	64	60	45	35	15	15	6	5	3	1			24
Island	Wife	363		7	74	85	57	44	43	15	6	5	2	4					21
	Husband	363		1	70	80	58	53	37	24	8	8	4	7	2	1	1		9
Jefferson	Wife	100		1	11	24	11	21	12	8	2	4	2		2				2
	Husband	100			1	16	24	16	18	8	3	4	1	1	2	1			5
King	Wife	7,964	1	26	617	1,442	1,563	1,332	1,030	622	307	159	64	55	19	7	6	3	711
	Husband	7,964		5	346	1,106	1,488	1,399	1,185	818	452	263	140	90	26	17	9	4	616
Kitsap	Wife	1,143		16	176	221	198	174	140	87	39	10	7	6	1				68
	Husband	1,143		4	99	235	214	164	159	99	62	20	15	9	5	1			57
Kittitas	Wife	115		1	13	17	21	25	16	9	3	4	1	1	1		2		1
	Husband	115			7	18	18	20	21	9	8	4	4	2	1	1			2
Klickitat	Wife	74			6	12	8	15	13	12	1	2		1	1			1	2
	Husband	74			2	7	16	11	10	14	5	3	2	1		2			1
Lewis	Wife	350		4	55	74	55	41	41	21	13	7	5	2	3	4	1		24
	Husband	350			36	52	68	56	35	24	21	11	7	7	2	2	1	1	27
Lincoln	Wife	1,609		18	232	353	317	267	163	93	48	24	15	6	8		1	1	63
	Husband	1,609		6	114	320	326	261	217	121	74	46	24	14	6	2	1		77
Mason	Wife	148		1	18	21	26	27	20	15	7	3	2	1					7
	Husband	148		1	13	17	19	26	22	22	8	3	5	4	1				7
Okanogan	Wife	127		3	10	18	25	21	15	12	3	1	3			1		1	14
	Husband	127			7	17	20	23	19	12	5	4	6	2		1			11
Pacific	Wife	83			11	17	12	15	11	4	7	1			1				4
	Husband	83			4	13	17	13	10	10	4	3	2	1	2				4
Pend Oreille	Wife	31			2	8	4	2	4	6	2	1				1			1
	Husband	31			1	3	4	6	5	4	4	1	1		1				1
Pierce	Wife	3,527		37	502	765	712	521	372	224	103	52	26	17	7	3	4	1	181
	Husband	3,527	1	3	325	698	699	591	438	264	152	92	42	25	15	4	6	2	170
San Juan	Wife	56			1	7	9	15	11	7	2	2	1		1				
	Husband	56			1	5	12	7	11	12	1	1	3			1			2
Skagit	Wife	500		5	64	82	105	77	63	26	13	9	8	5	1	1	1		40
	Husband	500		1	39	78	90	81	70	43	23	15	6	3	6	1	2		42
Skamania	Wife	44		1		8	7	9	9	3	2	2	1						2
	Husband	44			1	3	8	12	7	3	4	2		3	1				
Snohomish	Wife	2,626		23	284	528	503	433	319	195	82	45	31	18	6	1	2		156
	Husband	2,626		4	146	427	538	465	363	241	132	74	48	23	11	7	3		144
Spokane	Wife	1,858	1	20	223	350	322	294	248	122	64	43	31	12	3	7		1	117
	Husband	1,858		5	132	314	338	294	264	170	105	65	34	25	10	6	4	1	91
Stevens	Wife	137		2	18	30	24	21	16	8		2	1	1	2				12
	Husband	137			11	23	20	32	20	9	6	1	4		1	1		1	8
Thurston	Wife	1,057		9	120	207	181	185	146	79	35	17	11	4	2	1			60
	Husband	1,057		1	68	153	198	186	173	105	46	24	23	18	4	2		1	55
Wahkiakum	Wife	18			5		7	1		3	1	1							
	Husband	18			1	2	1	6	2	3	1	1		1					
Walla Walla	Wife	249		2	33	43	56	43	27	18	1	6	2	3	1				14
	Husband	249			23	35	52	48	40	18	8	9	2	2	3	2			7
Whatcom	Wife	570		3	49	73	76	76	58	39	12	9	5	2	1	1			166
	Husband	570			19	70	75	80	71	40	27	13	7	6	1	2			159
Whitman	Wife	95			8	23	20	13	14	7	1	3	1						5
	Husband	95			7	14	23	15	14	6	6	3	4	1					2
Yakima	Wife	992		17	143	201	173	168	101	60	36	26	11	5	4	3			44
	Husband	992		3	77	192	184	166	129	88	40	30	20	14	8	3	1	1	36

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Table 53. Dissolutions by Total Living Children[1] by Place of Wife's Residence[2], Washington State Occurrences 1990

		Number of Children									
County	Total	0	1	2	3	4	5	6	7	Eight or More	Not Stated
State Totals	28,240	12,643	5,854	5,892	2,008	580	171	57	17	20	998
Adams	55	19	12	17	3	3			1		
Asotin	103	54	18	20	6	2	2				1
Benton	645	250	131	161	59	17	5	1	1	1	19
Chelan	311	134	63	69	30	10	1				4
Clallam	271	119	56	58	27	7	2				2
Clark	1,259	544	273	281	96	27	7	2			29
Columbia	14	5	5	3	1						
Cowlitz	516	225	111	118	39	8	3	1		1	10
Douglas	145	48	42	35	12	4					4
Ferry	24	7	7	5	4		1				
Franklin	148	61	35	31	12	2	3				4
Garfield	10	4	1	4	1						
Grant	230	85	52	54	19	15	1	2			2
Grays Harbor	339	140	71	72	28	9	2	1			16
Island	348	142	82	67	28	6	4				19
Jefferson	101	44	17	16	14	4	1		1		4
King	7,989	3,716	1,641	1,622	505	145	37	17	6	3	297
Kitsap	1,062	457	241	220	83	26	4	5			26
Kittitas	100	41	22	23	7	1	2				4
Klickitat	71	32	17	15	6	1					
Lewis	333	136	72	69	29	11	1		1	1	13
Lincoln	31	14	7	6	2	2					
Mason	165	71	38	31	12	4	1				8
Okanogan	128	46	28	29	17	3					5
Pacific	75	24	18	19	6	3	1			1	3
Pend Oreille	38	15	7	9	3	2	1				1
Pierce	3,331	1,439	754	713	239	69	20	2	1	5	89
San Juan	55	30	13	8	4						
Skagit	440	195	91	99	29	14	3	1		1	7
Skamania	28	14	4	2	5	1	1				1
Snohomish	2,714	1,189	582	623	193	51	20	4		1	51
Spokane	2,004	923	394	421	163	44	10	7	3		39
Stevens	165	61	38	39	14	4	3				6
Thurston	1,021	438	200	247	75	16	7	1	1		36
Wahkiakum	14	9	2	1	2						
Walla Walla	219	93	44	45	19	10	2	1		2	3
Whatcom	432	205	93	80	36	4	5	1			8
Whitman	96	44	16	24	7	4					1
Yakima	935	378	199	232	70	23	7	5	1	2	18
Out-of-State	1,557	882	263	232	71	23	12	5	1	2	66
Unknown	718	310	94	72	32	5	2	1			202

[1] Includes all living children regardless of age.
[2] Does not include residents who obtain dissolutions outside of Washington State.

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APPENDICES

APPENDICES

APPENDICES

Appendix A

Technical Notes

Reliability of the Data

In analyzing any data, the possibility of errors in the data must not be overlooked. There are several types of possible errors, including underreporting or under-registration, errors made by the informant, and errors in compilation and processing. The most potentially dangerous error, however, is probably that of improper interpretation.

Statistics are neither more true nor false than the interpretation given to them . It should be emphasized that most of the rates computed in this report are crude rates. For comparing geographic areas, crude rates are limited. They do not reflect differences in age, sex, race, and other population characteristics. In addition, it is important to recognize the possible distortion in these rates where the number of events or the population is small. Minor variations in the number of events may result in major changes in the rates. Special caution should also be exercised in analyzing trend data, because of changes throughout the years in medical diagnosis, coding definitions, and registration coverage.

Methods and Sources of Data for "Did Washington State Meet Its 1990 Goals?"

Trends are determined by comparing 1990 to the previous five years, thus they represent recent trends only. Long-term trends in rates are shown on the accompanying graphs.

Projected 1990 Washington State rates were determined by assuming that past trends continued to 1990. Because this is a rough approximation, projected data are given in whole numbers only, to reflect their uncertainty. Washington State data are based on 1990 Washington State resident events, except where two or three years are combined to provide more stability in rates. These cases are noted in the tables.

US figures are based on data reported in the National Center for Health Statistics (NCHS) *Monthly Vital Statistics Reports* (USDDHS, Public Health Service, Hyattsville, Maryland). Data are the most recent available; data years used are noted on the tables.

1990 goals are given in the NCHS publication *Health: United States 1986*. (DHHS Publication No. PHS 87-1232. Public Health Service, Washington, DC US Government Printing Office, December 1986).

Collection Year

Data for the *Annual Summary of Vital Statistics , Washington State 1990* report are compiled from items on birth, death, marriage, and divorce certificates received before April 15, 1990. (See Appendix F for samples.)

Washington State is a member of the interstate exchange agreement and receives birth and death certificates of residents who have died in other states. Out-of-state marriage and divorce certificates are not exchanged.

Population

Population data in this report are an estimate of the population provided by the Washington State Office of Financial Management, April 1, 1990. They are from Bureau of the Census Summary Tape File 1A reports. They do not include the provisional adjustments made by OFM to correct for age-misreporting which resulted due to a problem with the census age question.

Race

The determination of race on birth and death certificates follows decision rules established by the National Center for Health Statistics (NCHS).

If more than one race is listed and one is Hawaiian, Hawaiian is selected. In cases of other races, the first non-white race listed is selected.
To determine race of newborns on birth certificates, each parent's race is first established according to the previous rules. Rules to determine race of the child, then, fall along a similar pattern:

- If either parent is Hawaiian, then the child's race is considered Hawaiian.
- In cases where one parent is white and the other non-white, the non-white race is selected as the race of the child.
- If both parents are non-white, the father's race is selected except where the mother's race is Hawaiian.

Hispanic origin was added as an ethnic category and collected as a separate item (in addition to race) for the 1988 annual vital statistics summary. Prior to 1988, Hispanic data were provided by a racial category of "Mexican/Chicano" or "Mexican American". Data based on Hispanic origin from those years are not comparable with data collected after 1987 and should not be used for trend analysis or year-to-year comparisons.

Low Birth Weight

Traditionally, low birth weight has been defined as 2,500 grams or less. However, the *International Classification of Diseases, Ninth Revision* (ICD-9) redefines low birth weight as less than 2,500 grams. Thus, 2,500 grams should now be included with the normal birth weight category. The impact of this change is minimal in the United States, where most weights are given in pounds and ounces. No weight of pounds and ounces converts exactly to 2,500 grams (5lb, 8oz is 2,495g and 5lb 9oz is 2,523g). It is, therefore, unlikely that many weights of 2,500 grams are recorded. In fact, none were found in a study of 1984 Washington State births. In the interests of consistency with past data, Washington State has chosen to continue including 2,500 grams with the low birth weight category.

Maternal Smoking

The birth certificate item concerning maternal smoking was changed with the 1989 certificate. In1989, new mothers were asked the number of cigarettes smoked in addition to answering the question: "Tobacco use during pregnancy?". Tables concerning maternal smoking in this summary continue to array maternal smoking as "Yes", "No", and "Unknown" irrespective of quantity.

Cause of Death Classification

The causes of death presented herein are classified in accordance with the *International Classification of Diseases, Ninth Revision* published by the World Health Organization. The State of Washington began using this revision January 1, 1979.

Ranking of Leading Causes of Death

In the interest of comparability, this summary uses, in general, the cause of death groups established by the National Center for Health Statistics (NCHS).

Life Expectancy

Life expectancy is based on 1990 crude mortality rates.

Occurrence Data on Death Certificates

The validity of occurrence death data has some limitations. As the death certificate does not specify inside or outside of corporate limits for place of death, rural deaths may be incorrectly assigned to cities because the location of death was in close proximity to a city. Informants, moreover, often are unaware of city boundaries.

Rounding

Rates are rounded to the nearest tenth. When the rate or percent is less than one-tenth, the entry is 0. Where whole numbers are used, a blank indicates none or zero.

Appendix B

Definitions

Birth Weight - Weight of fetus or infant at time of delivery (normally recorded in pounds and ounces).

Fetal Death - Death prior to the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy. The death is indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Reporting of fetal deaths to the state is required only when the gestational period is twenty weeks or more.

Infant Death - Death of a child under one year of age.

Live Birth - The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, breathes, or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.

Live Birth Order - Total number of live births to a given mother, including current birth.

Maternal Death - Death attributed to complications of pregnancy, childbirth, or the puerperium; includes abortion related death.

Neonatal Death - Death of an infant within the first 27 days of life.

Nulliparous - Having never given birth to a liveborn infant.

Occurrence Data - Data allocated by place where event occurred, regardless of the person's place of residence.

Parity - Previous live births; does not include current birth.

Perinatal Death - Fetal deaths plus deaths to infants within the first six days of life.

Premature Birth - A live birth weighing 2,500 grams (5-1/2 pounds) or less. If birth weight is not stated, length of gestation (under 37 weeks) is used.

Residence Data - Data allocated by place of residence of the decedent (deaths), or by place of residence of the child's mother (births, fetal deaths).

Rates And Ratios

Rates and ratios are calculated by dividing the event of concern by the population at risk or a related population and multiplying by a constant (i.e. 1,000, 10,000, or 100,000). See below.

Age-specific Rate - Number in event of concern for a specific age group per some fixed constant of population in that age group. For instance, the age-specific death rate is the number of deaths in a specific age group per 100,000 population in that age group. See different rates, i.e. fertility, pregnancy, abortion, for most typically used fixed constant in each rate.

Cause-specific Death Rate - Number of deaths from a specific cause per 100,000 population.

(crude) Birth Rate - Number of live births per 1,000 population.

(crude) Death Rate - Number of deaths per 1,000 population.

Fetal Death Ratio - Number of fetal deaths per 1,000 live births.

Infant Death Rate - Number of infant deaths per 1,000 live births.

Maternal Death Rate - Number of maternal deaths per 10,000 live births.

Neonatal Death Rate - Number of neonatal deaths per 1,000 live births.

Perinatal Death Rate - Number of perinatal deaths per 1,000 live births plus fetal deaths.

Appendix C

Conversion of Birth Weight in Grams to Pounds and Ounces

Gramweight	Pounds and Ounces
1,000 grams and under	2 lbs. 3 oz. and less
1,001 - 1,500	2 lbs. 4 oz. - 3 lbs. 4 oz.
1,501 - 2,000	3 lbs. 5 oz. - 4 lbs. 6 oz.
2,001 - 2,500	4 lbs. 7 oz. - 5 lbs. 8 oz.
2,501 - 3,000	5 lbs. 9 oz. - 6 lbs. 9 oz.
3,001 - 3,500	6 lbs. 10 oz. - 7 lbs. 11 oz.
3,501 - 4,000	7 lbs. 12 oz. - 8 lbs. 13 oz.
4,001 - 4,500	8 lbs. 14 oz. - 9 lbs. 14 oz.
4,501 grams and over	9 lbs. 15 oz. and over

One pound = 453.59 grams

Appendix D

Population of the State of Washington by Age Group by Sex, April 1, 1990

Age Group	Total	Male	Female
Total	4,866,692	2,413,747	2,452,945
Under 1 Year	75,321	38,528	36,793
1 - 4	291,459	149,310	142,149
5 - 14	708,755	363,618	345,137
15 - 19	322,711	165,818	156,893
20 - 24	351,680	181,447	170,233
25 - 34	855,188	431,626	423,562
35 - 44	803,763	402,641	401,122
45 - 54	501,543	253,343	248,200
55 - 64	380,984	185,117	195,867
65 - 74	336,034	153,347	182,687
75 - 84	182,953	72,797	110,156
85 and Over	56,301	16,155	40,146

S02520A

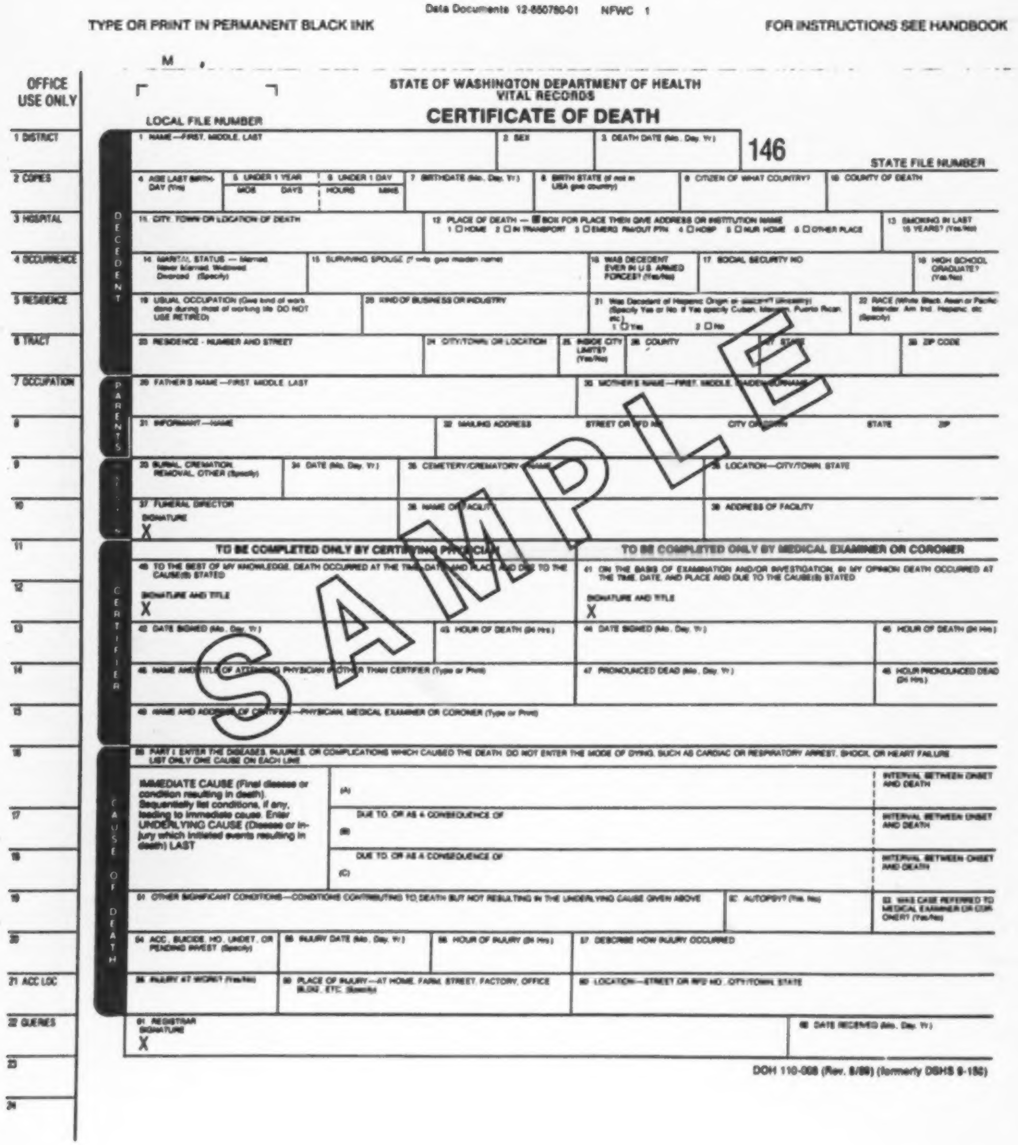
Appendix E

Population, State of Washington, Counties, and Cities of 10,000 Population and Over, April 1, 1990

	City Total	County Total
Adams		13,603
Asotin		17,605
Benton		112,560
Kennewick	42,155	
Richland	32,315	
Chelan		52,250
Wenatchee	21,756	
Clallam		56,464
Port Angeles	17,710	
Clark		238,053
Vancouver	46,380	
Columbia		4,024
Cowlitz		82,119
Kelso	11,820	
Longview	31,499	
Douglas		26,205
Ferry		6,295
Franklin		37,473
Pasco	20,337	
Garfield		2,248
Grant		54,758
Moses Lake	11,235	
Grays Harbor		64,175
Aberdeen	16,565	
Island		60,195
Oak Harbor	17,176	
Jefferson		20,146
King		1,507,319
Auburn	33,102	
Bellevue	86,874	
Bothell (part)	11,986	
Des Moines	17,283	
Federal Way	67,554	
Kent	37,960	
Kirkland	40,052	
Mercer Island	20,816	
Redmond	35,800	
Renton	41,688	
Sea Tac	22,694	
Seattle	516,259	
Tukwila	11,874	
Kitsap		189,731
Bremerton	38,142	
Kittitas		26,725
Ellensburg	12,361	
Klickitat		16,616
Lewis		59,358
Centralia	12,101	
Lincoln		8,864
Mason		38,341
Okanogan		33,350
Pacific		18,882
Pend Oreille		8,915
Pierce		586,203
Puyallup	23,875	
Tacoma	176,664	
San Juan		10,035
Skagit		79,555
Anacortes	11,451	
Mount Vernon	17,647	
Skamania		8,289
Snohomish		465,642
Edmonds	30,744	
Everett	69,961	
Lynnwood	28,695	
Marysville	10,328	
Mountlake Terrace	19,320	
Spokane		361,364
Spokane (city)	177,196	
Stevens		30,948
Thurston		161,238
Lacey	19,279	
Olympia	33,840	
Wahkiakum		3,327
Walla Walla		48,439
Walla Walla (city)	26,478	
Whatcom		127,780
Bellingham	52,179	
Whitman		38,775
Pullman	23,478	
Yakima		188,823
Sunnyside	11,238	
Yakima (city)	54,827	
State Total		4,866,692

S02530A

Appendix F



Data Documents 12-850780-01 NFWC 1

TYPE OR PRINT IN PERMANENT BLACK INK

FOR INSTRUCTIONS SEE HANDBOOK

M

STATE OF WASHINGTON DEPARTMENT OF HEALTH
VITAL RECORDS

CERTIFICATE OF DEATH

LOCAL FILE NUMBER

146

STATE FILE NUMBER

OFFICE USE ONLY

1 DISTRICT
2 COPIES
3 HOSPITAL
4 OCCURRENCE
5 RESIDENCE
6 TRACT
7 OCCUPATION
8
9
10
11
12
13
14
15
16
17
18
19
20
21 ACC LOC
22 QUERIES
23
24

DECEDENT

1 NAME—FIRST, MIDDLE, LAST
2 SEX
3 DEATH DATE (Mo., Day, Yr.)
4 AGE LAST BIRTHDAY (Yrs)
5 UNDER 1 YEAR MOS DAYS
6 UNDER 1 DAY HOURS MINS
7 BIRTHDATE (Mo., Day, Yr.)
8 BIRTH STATE (If not in USA give country)
9 CITIZEN OF WHAT COUNTRY?
10 COUNTY OF DEATH
11 CITY, TOWN OR LOCATION OF DEATH
12 PLACE OF DEATH — ☒ BOX FOR PLACE THEN GIVE ADDRESS OR INSTITUTION NAME
1 ☐ HOME 2 ☐ IN TRANSPORT 3 ☐ EMERG RM/OUT PTN 4 ☐ HOSP 5 ☐ NUR HOME 6 ☐ OTHER PLACE
13 SMOKING IN LAST 15 YEARS? (Yes/No)
14 MARITAL STATUS — Married, Never Married, Widowed, Divorced (Specify)
15 SURVIVING SPOUSE (If wife, give maiden name)
16 WAS DECEDENT EVER IN U.S. ARMED FORCES? (Yes/No)
17 SOCIAL SECURITY NO
18 HIGH SCHOOL GRADUATE? (Yes/No)
19 USUAL OCCUPATION (Give kind of work done during most of working life. DO NOT USE RETIRED)
20 KIND OF BUSINESS OR INDUSTRY
21 Was Decedent of Hispanic Origin or descent? (Ancestry) (Specify Yes or No. If Yes specify Cuban, Mexican, Puerto Rican, etc.)
1 ☐ Yes 2 ☐ No
22 RACE (White, Black, Asian or Pacific Islander, Am. Ind., Hispanic, etc.) (Specify)
23 RESIDENCE - NUMBER AND STREET
24 CITY/TOWN, OR LOCATION
25 INSIDE CITY LIMITS? (Yes/No)
26 COUNTY
27 STATE
28 ZIP CODE

PARENTS

29 FATHER'S NAME—FIRST, MIDDLE, LAST
30 MOTHER'S NAME—FIRST, MIDDLE, MAIDEN SURNAME
31 INFORMANT—NAME
32 MAILING ADDRESS STREET OR RFD NO. CITY OR TOWN STATE ZIP

33 BURIAL, CREMATION, REMOVAL, OTHER (Specify)
34 DATE (Mo., Day, Yr.)
35 CEMETERY/CREMATORY—NAME
36 LOCATION—CITY/TOWN, STATE
37 FUNERAL DIRECTOR SIGNATURE X
38 NAME OF FACILITY
39 ADDRESS OF FACILITY

CERTIFIER

TO BE COMPLETED ONLY BY CERTIFYING PHYSICIAN

40 TO THE BEST OF MY KNOWLEDGE, DEATH OCCURRED AT THE TIME, DATE AND PLACE, AND DUE TO THE CAUSE(S) STATED
SIGNATURE AND TITLE X
42 DATE SIGNED (Mo., Day, Yr.)
43 HOUR OF DEATH (24 Hrs.)

TO BE COMPLETED ONLY BY MEDICAL EXAMINER OR CORONER

41 ON THE BASIS OF EXAMINATION AND/OR INVESTIGATION, IN MY OPINION DEATH OCCURRED AT THE TIME, DATE, AND PLACE AND DUE TO THE CAUSE(S) STATED
SIGNATURE AND TITLE X
44 DATE SIGNED (Mo., Day, Yr.)
45 HOUR OF DEATH (24 Hrs.)

46 NAME AND TITLE OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print)
47 PRONOUNCED DEAD (Mo., Day, Yr.)
48 HOUR PRONOUNCED DEAD (24 Hrs.)
49 NAME AND ADDRESS OF CERTIFIER—PHYSICIAN, MEDICAL EXAMINER OR CORONER (Type or Print)

CAUSE OF DEATH

50 PART I. ENTER THE DISEASES, INJURIES, OR COMPLICATIONS WHICH CAUSED THE DEATH. DO NOT ENTER THE MODE OF DYING, SUCH AS CARDIAC OR RESPIRATORY ARREST, SHOCK, OR HEART FAILURE. LIST ONLY ONE CAUSE ON EACH LINE

IMMEDIATE CAUSE (Final disease or condition resulting in death). Sequentially list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury which initiated events resulting in death) LAST

(A) INTERVAL BETWEEN ONSET AND DEATH
DUE TO, OR AS A CONSEQUENCE OF (B) INTERVAL BETWEEN ONSET AND DEATH
DUE TO, OR AS A CONSEQUENCE OF (C) INTERVAL BETWEEN ONSET AND DEATH

51 OTHER SIGNIFICANT CONDITIONS—CONDITIONS CONTRIBUTING TO DEATH BUT NOT RESULTING IN THE UNDERLYING CAUSE GIVEN ABOVE
52 AUTOPSY? (Yes, No)
53 WAS CASE REFERRED TO MEDICAL EXAMINER OR CORONER? (Yes/No)
54 ACC., SUICIDE, HOM., UNDET., OR PENDING INVEST. (Specify)
55 INJURY DATE (Mo., Day, Yr.)
56 HOUR OF INJURY (24 Hrs.)
57 DESCRIBE HOW INJURY OCCURRED
58 INJURY AT WORK? (Yes/No)
59 PLACE OF INJURY—AT HOME, FARM, STREET, FACTORY, OFFICE BLDG., ETC. (Specify)
60 LOCATION—STREET OR RFD NO., CITY/TOWN, STATE

61 REGISTRAR SIGNATURE X
62 DATE RECEIVED (Mo., Day, Yr.)

DOH 110-008 (Rev. 8/89) (formerly DSHS 9-150)

STATE OF WASHINGTON DEPARTMENT OF HEALTH
VITAL RECORDS

146 - 9

CERTIFICATE OF LIVE BIRTH

LOCAL FILE NUMBER

STATE FILE NUMBER

VITAL RECORDS USE ONLY
A. DISTRICT
B. COPIES
C. HOSPITAL
D. OCCURRENCE
E. RESIDENCE
F.
G.
H. TRACT
I.
J.
K.
L.
M.
N.
O. F-OCCUP
P. M-OCCUP

1. CHILD'S NAME First Middle Last		2. SEX	3. DATE OF BIRTH MO. DAY YR.	4. TIME OF BIRTH
5. TYPE OF BIRTHPLACE (SPECIFY TYPE) ☐ 1 HOSPITAL ☐ 3 BIRTH CENTER ☐ 5 HOME ☐ 2 ENROUTE ☐ 4 CLINIC/DOCTOR'S OFF. ☐ 6 OTHER	6. NAME OF FACILITY/IF NOT A FACILITY ENTER NAME OF PLACE AND ADDRESS	7. CITY/TOWN/LOCATION	8. COUNTY OF BIRTH	
9. I CERTIFY THAT THIS CHILD WAS BORN ALIVE AT THE PLACE AND TIME AND ON THE DATE STATED. Signature X	10. DATE SIGNED MO. DAY YR.	11. ATTENDANT'S NAME AND TITLE (If other than certifier) (type or print)		
12. CERTIFIER — NAME AND TITLE (Type or print)	13. ATTENDANT'S MAILING ADDRESS (street/box no., city, state, ZIP code)			
14. FATHER'S NAME First Middle Last		15. DATE OF BIRTH (MO, DAY, YR)	16. STATE OF BIRTH (If not USA give country)	
17A. MOTHER'S CURRENT LEGAL NAME First Middle Last	17B. MAIDEN SURNAME (birth name)	18. DATE OF BIRTH (MO, DAY, YR)	19. STATE OF BIRTH (If not USA give country)	
20. RESIDENCE (number and street)	21. CITY/TOWN/LOCATION	22. INSIDE CITY LIMITS (yes/no)	23. COUNTY	24. STATE/ZIP CODE
25. HOW LONG AT CURRENT RESIDENCE? Yrs. Mos.	26. MOTHER'S MAILING ADDRESS (If different than residence)			
27. NAME OF INFORMANT (type or print)	28. RELATION TO CHILD			
29. REGISTRAR (signature) X	30. DATE FILED BY LOCAL REGISTRAR			
31. RECORD AMENDMENT (state registrar use only) ITEM DOCUMENTARY EVIDENCE REVIEWED BY DATE	32. PARENT(S) REQUEST FOR SOCIAL SECURITY NUMBER ISSUANCE 1☐Yes 2☐No			
33. FATHER'S SOCIAL SECURITY NUMBER	34. MOTHER'S SOCIAL SECURITY NUMBER			

CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY—DETACHED FROM CERTIFICATE BEFORE PERMANENT FILING.

FATHER	35. OF HISPANIC ORIGIN OR DESCENT? (Ancestry) (Specify yes or no) If yes, specify Cuban, Mexican, Puerto Rican, etc. 1☐Yes 2☐No	36. RACE (White, Black, Asian or Pacific Islander, American Indian, Hispanic, etc.) (Specify)	37. OCCUPATION (Indicate most recent employment) (pressman, painter, computer programmer) (Specify)	38. TYPE OF BUSINESS OR INDUSTRY (paper mill, hwy. construction, nuclear) (Specify)
MOTHER	39. OF HISPANIC ORIGIN OR DESCENT? (Ancestry) (Specify yes or no) If yes, specify Cuban, Mexican, Puerto Rican, etc. 1☐Yes 2☐No	40. RACE (White, Black, Asian or Pacific Islander, American Indian, Hispanic, etc.) (Specify)	41. OCCUPATION (Indicate most recent employment) (fruit packer, cashier, registered nurse) (Specify)	42. TYPE OF BUSINESS OR INDUSTRY (apple orchard, retail sales, hospital) (Specify)
CHILD	PARENTAL IDENTIFICATION OF CHILD'S ETHNICITY AND RACE. (Items 43 and 44)	43. OF HISPANIC ORIGIN OR DESCENT? (Ancestry) (Specify yes or no) If yes, specify Cuban, Mexican, Puerto Rican, etc. 1☐Yes 2☐No	44. RACE (White, Black, Asian or Pacific Islander, American Indian, Hispanic, etc.) (Specify)	

45. PRIOR LIVE BIRTHS (Do not include this birth) ☐ NONE NOW LIVING NOW DEAD NUMBER DATE LAST LIVE BIRTH (MO, YR)	46. OTHER PREGNANCY OUTCOMES (Not live births) ☐ NONE NUMBER SPONTANEOUS 20 WKS OR MORE LESS THAN 20 WKS DATE LAST SPONTANEOUS OUTCOME	NUMBER INDUCED (Any gest., age) DATE LAST INDUCED	47. TOTAL PRIOR PREGNANCIES 48. DATE LAST NORMAL MENSES BEGAN (MO, DAY, YR)	49. IS MOTHER MARRIED? 1☐YES 2☐NO
50. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1st, 2nd, 3rd, etc.)	51. TOTAL NUMBER OF PRENATAL VISITS (If none, enter 0)	52. CLINICAL ESTIMATE OF GESTATION (WEEKS)	53. MOTHER TRANSFERRED AFTER ATTEMPTED DELIVERY? 1☐Yes 2☐No If yes, from Birth Ctr. Home Other	
54. PLURALITY—Single, Twin, Triplet, etc. (Specify)	55. IF NOT SINGLE BIRTH—born 1st, 2nd, 3rd, etc. (Specify)	56. BIRTH WEIGHT lbs. ozs. or grams	57. APGAR SCORE 1 min. 5 min.	58. INFANT TRANSFERRED TO ANOTHER FACILITY? 1☐Yes 2☐No 3☐Unk.

CHECK ALL BOX(ES) IN EACH COLUMN THAT APPLY OR WRITE IN "OTHER" IF NO BOXES APPLY

59. MEDICAL RISK FACTORS FOR THIS PREGNANCY
- ☐ 1. Anemia (Hct.<30/Hgh.<10)
- ☐ 2. Cardiac disease
- ☐ 3. Acute or chronic lung disease
- ☐ 4. Diabetes, Gest.☐ Estab.☐
- ☐ 5. Genital herpes—active ☐ HX ☐
- ☐ 6. Polyhydramnios
- ☐ 7. Oligohydramnios
- ☐ 8. Hemoglobinopathy
- ☐ 9. Hypertension, chronic
- ☐ 10. Hypertension, pregnancy-associated
- ☐ 11. Eclampsia
- ☐ 12. Incompetent cervix
- ☐ 13. Previous infant 4000 + grams
- ☐ 14. Previous preterm or small-for-gestational age infant
- ☐ 15. Renal disease
- ☐ 16. Rh sensitization
- ☐ 17. 1st trimester bleeding
- ☐ 18. Epilepsy
- ☐ 19. Syphilis
- ☐ 20. Rubella—test positive
- ☐ 21. None
- ☐ 22. Other (specify) ____________

60. OTHER RISK FACTORS FOR THIS PREGNANCY
1. Tobacco use during pregnancy?
   ☐ Yes ☐ No Av. No. cig. per day____
2. Alcohol use during pregnancy?
   ☐ Yes ☐ No Av. No. drinks per wk____
3. Weight gained during preg.____________lbs.

61. OBSTETRIC PROCEDURES
- ☐ 1. Amniocentesis
  If yes, specify trimesters ☐1 ☐2 ☐3
- ☐ 2. Electronic fetal monitoring
- ☐ 3. Induction of labor
- ☐ 4. Stimulation of labor
- ☐ 5. Tocolysis
- ☐ 6. Ultrasound
- ☐ 7. None
- ☐ 8. Other (specify)____________

62. METHOD OF DELIVERY
- ☐ 1. Vaginal
- ☐ 2. Vaginal birth after previous C-section
- ☐ 3. Primary C-section
- ☐ 4. Repeat C-section with no labor
- ☐ 5. Repeat C-section with trial of labor
- ☐ 6. Forceps
- ☐ 7. Vacuum extraction
- ☐ 8. Other (specify)____________

63. COMPLICATIONS OF LABOR AND/OR DELIVERY
- ☐ 1. Febrile (> 100°F or 38°C)
- ☐ 2. Meconium, moderate/heavy
- ☐ 3. Premature rupture of membrane (>12 hrs)
- ☐ 4. Abruptio placenta
- ☐ 5. Placenta previa
- ☐ 6. Other excessive bleeding
- ☐ 7. Seizures during labor
- ☐ 8. Precipitous labor (<3 hrs)
- ☐ 9. Prolonged labor (>20 hrs)
- ☐ 10. Dysfunctional labor
- ☐ 11. Breech/Malpresentation
- ☐ 12. Cephalopelvic disproportion
- ☐ 13. Cord prolapse
- ☐ 14. Anesthetic complications
- ☐ 15. Fetal distress
- ☐ 16. None
- ☐ 17. Other (specify)____________

64. ABNORMAL CONDITIONS OF THE NEWBORN
- ☐ 1. Anemia (Hct<39/Hgb.<13)
- ☐ 2. Birth injury
- ☐ 3. Fetal alcohol syndrome
- ☐ 4. Hyaline membrane disease/RDS
- ☐ 5. Meconium aspiration syndrome
- ☐ 6. Drug withdrawal syndrome in newborn
- ☐ 7. Assisted ventilation <30 min.
- ☐ 8. Assisted ventilation ≥30 min.
- ☐ 9. Seizures

Continued Next Column

64. ABNORMAL CONDITIONS OF THE NEWBORN (CONTINUED)
- ☐ 10. Sepsis
- ☐ 11. Asphyxia/Depression
- ☐ 12. Erb's palsy
- ☐ 13. Jaundice (greater than 10 in 1st 48 hrs.)
- ☐ 14. None
- ☐ 15. Other (specify)____________

65. CONGENITAL ANOMALIES OF CHILD
- ☐ 1. Anencephalus
- ☐ 2. Spina bifida/Meningocele
- ☐ 3. Hydrocephalus
- ☐ 4. Microcephalus
- ☐ 5. Other central nervous system anomalies (specify)____________
- ☐ 6. Heart malformations
- ☐ 7. Other circulatory/respiratory anomalies (specify)____________
- ☐ 8. Rectal atresia/stenosis
- ☐ 9. Tracheo-esophageal fistula/Esophageal atresia
- ☐ 10. Omphalocele/Gastroschisis
- ☐ 11. Other gastrointestinal anomalies (specify)____________
- ☐ 12. Malformed genitalia
- ☐ 13. Renal agenesis
- ☐ 14. Other urogenital anomalies (specify)____________
- ☐ 15. Cleft lip/palate
- ☐ 16. Polydactyly/Syndactyly/Adactyly
- ☐ 17. Club foot
- ☐ 18. Diaphragmatic hernia
- ☐ 19. Other musculoskeletal/integumental anomalies (specify)____________
- ☐ 20. Down's syndrome
- ☐ 21. Other chromosomal anomalies (specify)____________
- ☐ 22. None
- ☐ 23. Other anomalies (specify)____________

TYPE OR PRINT LEGAL PORTION IN PERMANENT BLACK INK

DATE RECEIVED BY STATE REGISTRAR ____________

DOH 110-012 1/90 -1418-
(Formerly DSHS 9-1023)

FOR SPECIFIC ITEM INSTRUCTIONS SEE HANDBOOK

SAMPLE

VITAL RECORDS USE ONLY
A DISTRICT
B COPIES
C HOSPITAL
D OCCURRENCE
E RESIDENCE
F
G
H TRACT
I
J
K
L
M
N
O F-OCCUP
P M-OCCUP
Q [illegible]

STATE OF WASHINGTON DEPARTMENT OF HEALTH
VITAL RECORDS

CERTIFICATE OF FETAL DEATH

146

LOCAL FILE NUMBER
STATE FILE NUMBER

FETUS

1. FETUS NAME—FIRST MIDDLE LAST
2. SEX
3. DATE OF DELIVERY (Mo., Day, Yr.)
4. TIME OF DELIVERY
5. PLACE OF DELIVERY (specify type) ☐ 1 Hospital ☐ 2 Enroute ☐ 3 Birth Center ☐ 4 Clinic/Dr. Off. ☐ 5 Home ☐ 6 Other
6. NAME OF FACILITY/IF NOT A FACILITY ENTER NAME OF PLACE AND ADDRESS
7. CITY, TOWN, OR LOCATION
8. COUNTY OF DELIVERY

PARENTS

9. FATHER'S NAME—FIRST MIDDLE LAST
10. DATE OF BIRTH (Mo., Day, Yr)
11. STATE OF BIRTH (If not U.S. give country)
12. MOTHER'S CURRENT LEGAL NAME—FIRST MIDDLE LAST
13. MAIDEN SURNAME (birth name)
14. DATE OF BIRTH (Mo., Day, Yr)
15. STATE OF BIRTH (If not U.S. give country)
16. RESIDENCE (Number and Street)
17. CITY, TOWN, OR LOCATION
18. INSIDE OF CITY LIMITS 1.☐ YES 2.☐ NO
19. COUNTY
20. STATE/ZIP CODE
21. HOW LONG AT CURRENT RESIDENCE? Yrs. Mos.
22. REGISTRAR SIGNATURE X
23. DATE FILED BY REGISTRAR

DISPOSITION

24. BURIAL, CREMATION, REMOVAL, OTHER (Specify)
25. DATE (Mo., Day, Yr.)
26. CEMETERY/CREMATORY—NAME
27. LOCATION—CITY/TOWN, STATE
28. FUNERAL DIRECTOR SIGNATURE X
29. NAME OF FACILITY
30. ADDRESS OF FACILITY

CAUSE FETAL DEATH

31. PART I (enter only one cause per line for (A), (B), AND (C).)

Fetal or Maternal condition directly causing fetal death.

Fetal and/or Maternal conditions, if any, giving rise to the immediate cause (A) stating the underlying cause last.

A IMMEDIATE CAUSE:
B DUE TO, OR AS A CONSEQUENCE OF:
C DUE TO, OR AS A CONSEQUENCE OF:

32. SPECIFY FETAL OR MATERNAL
SPECIFY FETAL OR MATERNAL
SPECIFY FETAL OR MATERNAL

33. PART II. OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER: Conditions contributing to Fetal Death but not resulting in the underlying cause given in Part (A).
34. FETUS DIED ☐ 1 Before Labor ☐ 2 During Labor ☐ 3 During Delivery ☐ 4 Unknown
35. AUTOPSY 1.☐ YES 2.☐ NO

CERTIFIER

36. I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS FETUS IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF X
37. DATE SIGNED (Mo-Day-Yr)
38. NAME, TITLE ATTENDANT AT DELIVERY IF OTHER THAN CERTIFIER (Type or Print)
39. CERTIFIER NAME AND TITLE (Type or Print)
40. ATTENDANT'S MAILING ADDRESS (Street, Box Number, City, State, ZIP Code)

CONFIDENTIAL INFORMATION FOR MEDICAL AND RESEARCH USE ONLY

FATHER

41. OF HISPANIC ORIGIN OR DESCENT? (Ancestry) (Specify yes or no) If yes, specify Cuban, Mexican, Puerto Rican, etc. 1. ☐ Yes 2. ☐ No
42. OCCUPATION (Include most recent employment) (Fireman, painter, computer programmer) (specify)
43. TYPE OF BUSINESS OR INDUSTRY (paper mill, bay, construction, [illegible]) (specify)
44. EDUCATION—Highest Grade Completed (0-17+)
45. RACE (White, Black, Asian or Pacific Islander, Am. Indian, Hispanic, etc.) (specify)

MOTHER

46. OF HISPANIC ORIGIN OR DESCENT? (Ancestry) (Specify yes or no) If yes, specify Cuban, Mexican, Puerto Rican, etc. 1. ☐ Yes 2. ☐ No
47. OCCUPATION (Include most recent employment) ([illegible]) (specify)
48. TYPE OF BUSINESS OR INDUSTRY (Grade school, retail sales, hospital) (specify)
49. EDUCATION—Highest Grade Completed (0-17+)
50. RACE (White, Black, Asian or Pacific Islander, Am. Indian, Hispanic, etc.) (specify)

PREGNANCY HISTORY

51. PRIOR LIVE BIRTHS ☐ NONE NOW LIVING | NOW DEAD
NUMBER
DATE LAST LIVE BIRTH (MO, YR)

52. OTHER PREGNANCY OUTCOMES (Not live births) (Do Not include this delivery)
☐ NONE
NUMBER SPONTANEOUS | NUMBER INDUCED (Any Gest. Age)
20 + WEEKS
< 20 WEEKS
DATE LAST SPONTANEOUS OUTCOME | DATE LAST INDUCED

53. IS MOTHER MARRIED? 1.☐ YES 2.☐ NO
54. TOTAL PRIOR PREGNANCIES
55. DATE LAST NORMAL MENSES BEGAN Mo. Day Yr.
56. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1st, 2nd, 3rd, etc.)
57. TOTAL NUMBER OF PRENATAL VISITS (If none, enter 0)
58. CLINICAL ESTIMATE OF GESTATION (Wks.)
59. PLURALITY—Single, Twin, Triplet, etc. (Specify)
60. IF NOT SINGLE (delivered, 1st, 2nd, 3rd, etc.) (Specify)
61. FETUS WEIGHT (Specify Unit) lbs. ozs. or grams

CHECK ALL BOX(ES) IN EACH COLUMN THAT APPLY OR WRITE IN "OTHER" IF NO BOXES APPLY.

62. MEDICAL RISK FACTORS FOR THIS PREGNANCY

- ☐ 1. Anemia (Hct. < 30Hgb. < 10)
- ☐ 2. Cardiac disease
- ☐ 3. Acute or chronic lung disease
- ☐ 4. Diabetes, Gest.☐ Estab.☐
- ☐ 5. Genital herpes—active ☐ HX ☐
- ☐ 6. Polyhydramnios
- ☐ 7. Oligohydramnios
- ☐ 8. Hemoglobinopathy
- ☐ 9. Hypertension, chronic
- ☐ 10. Hypertension, pregnancy-associated
- ☐ 11. Eclampsia
- ☐ 12. Incompetent cervix
- ☐ 13. Previous infant 4000 + grams
- ☐ 14. Previous preterm or small-for-gestational age infant
- ☐ 15. Renal disease
- ☐ 16. Rh sensitization
- ☐ 17. 1st trimester bleeding
- ☐ 18. Epilepsy
- ☐ 19. Syphilis
- ☐ 20. Rubella—test positive
- ☐ 21. None
- ☐ 22. Other (specify)________

63. OTHER RISK FACTORS FOR THIS PREGNANCY

1. Tobacco use during pregnancy?
   1.☐ Yes 2. ☐ No Av. No. cig. per day____
2. Alcohol use during pregnancy?
   1.☐ Yes 2.☐ No Av. No. drinks per wk.____
3. Weight gained during preg. ____ lbs.

64. OBSTETRIC PROCEDURES

- ☐ 1. Amniocentesis
  If yes, specify trimesters ☐1 ☐2 ☐3
- ☐ 2. Electronic fetal monitoring
- ☐ 3. Induction of labor
- ☐ 4. Stimulation of labor

Continued Next Column

64. OBSTETRIC PROCEDURES (CONTINUED)

- ☐ 5. Tocolysis
- ☐ 6. Ultrasound
- ☐ 7. None
- ☐ 8. Other (specify)________

65. METHOD OF DELIVERY

- ☐ 1. Vaginal
- ☐ 2. Vaginal birth after previous C-section
- ☐ 3. Primary C-section
- ☐ 4. Repeat C-section with no labor
- ☐ 5. Repeat C-section with trial of labor
- ☐ 6. Forceps
- ☐ 7. Vacuum extraction
- ☐ 8. Other (specify)________

66. COMPLICATIONS OF LABOR AND/OR DELIVERY

- ☐ 1. Febrile (> 100°F or 38°C)
- ☐ 2. Meconium, moderate/heavy
- ☐ 3. Premature rupture of membrane (> 12 hrs.)
- ☐ 4. Abruptio placenta
- ☐ 5. Placenta previa
- ☐ 6. Other excessive bleeding
- ☐ 7. Seizures during labor
- ☐ 8. Precipitous labor (< 3 hrs)
- ☐ 9. Prolonged labor (> 20 hrs)
- ☐ 10. Dysfunctional labor
- ☐ 11. Breech/Malpresentation
- ☐ 12. Cephalopelvic disproportion
- ☐ 13. Cord prolapse
- ☐ 14. Anesthetic complications
- ☐ 15. Fetal distress
- ☐ 16. None
- ☐ 17. Other (specify)________

67. CONDITIONS OF FETUS

- ☐ 1. Fetal Hemorrhage
- ☐ 2. Placenta and cord conditions (specify)________
- ☐ 3. Hemolytic Disease
- ☐ 4. Fetal Hydrops
- ☐ 5. Shoulder Dystocia
- ☐ 6. Other (specify)________
- ☐ 7. None

68. CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS:

- ☐ 1. Anencephalus
- ☐ 2. Spina bifida/Meningocele
- ☐ 3. Hydrocephalus
- ☐ 4. Microcephalus
- ☐ 5. Other central nervous system anomalies (specify)________
- ☐ 6. Heart malformations
- ☐ 7. Other circulatory/respiratory anomalies (specify)________
- ☐ 8. Rectal atresia/stenosis
- ☐ 9. Tracheo-esophageal fistula/esophageal atresia
- ☐ 10. Omphalocele/gastroschisis
- ☐ 11. Other gastrointestinal anomalies (specify)________
- ☐ 12. Malformed genitalia
- ☐ 13. Renal agenesis
- ☐ 14. Other urogenital anomalies (specify)________
- ☐ 15. Cleft lip/palate
- ☐ 16. Polydactyly/Syndactyly/Adactyly
- ☐ 17. Club foot
- ☐ 18. Diaphragmatic hernia
- ☐ 19. Other musculoskeletal/integumental anomalies (specify)________
- ☐ 20. Down's syndrome
- ☐ 21. Other chromosomal anomalies (specify)________
- ☐ 22. None
- ☐ 23. Other anomalies (specify)________

DATE RECEIVED BY STATE REGISTRAR

DO NOT USE THIS FORM FOR FETAL DEATHS THAT ARE LESS THAN 20 WEEKS GESTATION

SEE HANDBOOK FOR INSTRUCTIONS

TYPE OR PRINT ENTIRE FORM IN PERMANENT BLACK INK

SAMPLE

DOH 110-010 (Rev. 8/86) (formerly DSHS 8-190) -1420-

STATE OF WASHINGTON DEPARTMENT OF HEALTH
VITAL RECORDS

CERTIFICATE OF MARRIAGE

146

COUNTY OF LICENSE DATE STATE FILE NUMBER

OFFICIANT

I CERTIFY THE PERSONS NAMED BELOW WERE MARRIED ON ● ● ● ● ● ●	1. DATE (MO DAY YR)	2. COUNTY OF CEREMONY	3. RELIGIOUS/CIVIL CEREMONY (SPECIFY)	4. DATE SIGNED (MO DAY YR)
5. OFFICIANT Signature X		6. OFFICIANT ADDRESS		

GROOM

7 NAME (FIRST MIDDLE LAST)			8. BIRTHDATE (MO DAY YR)	9. BIRTH STATE (if not USA give country)
10. USUAL RESIDENCE (NUMBER AND STREET)	11. CITY/TOWN/LOCATION	12. INSIDE CITY LIMITS (YES/NO)	13. COUNTY	14. STATE
15. FATHER'S NAME	16. BIRTH STATE (IF NOT USA GIVE COUNTRY)	17. MOTHER'S MAIDEN NAME		18. BIRTH STATE (if not USA give country)
19. GROOM Signature X				20. DATE SIGNED (MO DAY YR)

BRIDE

21 NAME (FIRST MIDDLE LAST)		22. MAIDEN NAME (IF DIFFERENT)	23. BIRTHDATE (MO DAY YR)	24. BIRTH STATE (if not USA give country)
25. USUAL RESIDENCE (NUMBER AND STREET)	26. CITY/TOWN/LOCATION	27. INSIDE CITY LIMITS (YES/NO)	28. COUNTY	29. STATE
30. FATHER'S NAME	31. BIRTH STATE (IF NOT USA GIVE COUNTRY)	32 MOTHER'S MAIDEN NAME		33. BIRTH STATE (if not USA give country)
34. BRIDE Signature X				35. DATE SIGNED (MO DAY YR)

36. WITNESS Signature X	37. WITNESS Signature X
38. COUNTY AUDITOR Signature X	39. DATE RECEIVED (MO DAY YR)

[illegible]

SAMPLE

STATE OF WASHINGTON DEPARTMENT OF HEALTH
VITAL RECORDS

CERTIFICATE OF DISSOLUTION, DECLARATION OF INVALIDITY OF MARRIAGE OR LEGAL SEPARATION

146

COURT FILE NUMBER STATE FILE NUMBER

DECREE

I CERTIFY THE MARRIAGE OF THE PERSONS NAMED BELOW WAS ORDERED AS ● ● ● ● ● ●	1. DISSOLUTION OF MARRIAGE ☐ DECLARATION OF INVALIDITY ☐ LEGAL SEPARATION ☐	2. DATE OF ENTRY (MO DAY YR)	3. COUNTY OF DECREE
4. CLERK OF SUPERIOR COURT Signature X			

TO BE COMPLETED BY PETITIONER'S ATTORNEY

HUSBAND

5. NAME FIRST, MIDDLE, LAST			6. DATE OF BIRTH (MO DAY YR)	7. BIRTHPLACE (State or Foreign Country)
8. USUAL RESIDENCE—STREET ADDRESS	9. CITY, TOWN OR LOCATION	10. INSIDE CITY LIMITS (Specify YES or NO)	11. COUNTY	12. STATE

WIFE

13. NAME FIRST, MIDDLE, LAST		14. MAIDEN NAME (IF DIFFERENT THAN MARRIED NAME)	15. DATE OF BIRTH (MO DAY YR)	16. BIRTHPLACE (State or Foreign Country)
17. USUAL RESIDENCE—STREET ADDRESS	18. CITY, TOWN OR LOCATION	19. INSIDE CITY LIMITS (Specify YES or NO)	20. COUNTY	21. STATE
22. PLACE OF THIS MARRIAGE—COUNTY	23. STATE (IF NOT USA GIVE COUNTRY)	24. DATE OF THIS MARRIAGE (mo. day yr.)	25. NUMBER CHILDREN BORN ALIVE OF THIS MARRIAGE (Specify)	
26. PETITIONER (HUSBAND, WIFE, BOTH, OTHER SPECIFY)	27. ATTORNEY FOR PETITIONER—NAME (Type or Print)	28. ADDRESS— STREET CITY OR TOWN STATE ZIP CODE		

[illegible]

TYPE OR PRINT ENTIRE FORM IN PERMANENT BLACK INK